

JVC

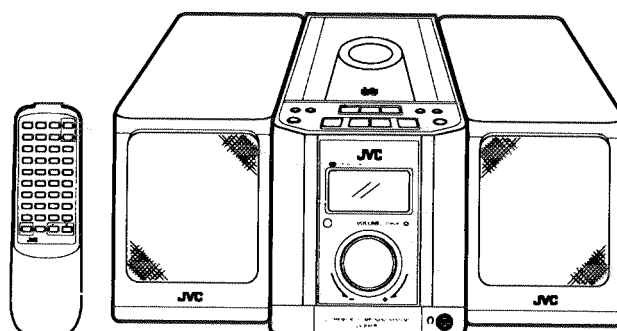
SERVICE MANUAL

ULTRA MICRO COMPONENT SYSTEM

UX-2000RGD B/E/EN/G

COMPACT
disc
DIGITAL AUDIO

R-D-S EON




Area Suffix

B	U.K.
E	Continental Europe
EN	North Europe
G	Germany

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1. Safety Precautions

1. The design this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacture's warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety - related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of service manual. Electrical components having such features are identified by () on the schematic diagram and parts list in the service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of service manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.

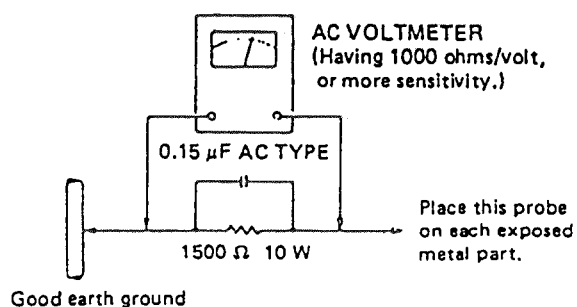
5. Leakage current check (Electrical shock hazard testing)

After re - assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this check.

- Plug the AC line cord directly into the AC outlet. using a "Leakage current tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC(r.m.s.)

• Alternate check method

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500 ohms 10W resistor paralleled by a 0.15 μ F AC type capacitor between an exposed metal part and a known good earth ground. Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured



Warning

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

CAUTION

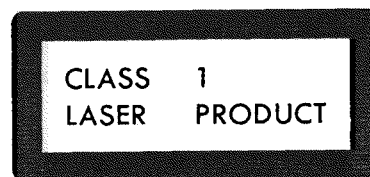
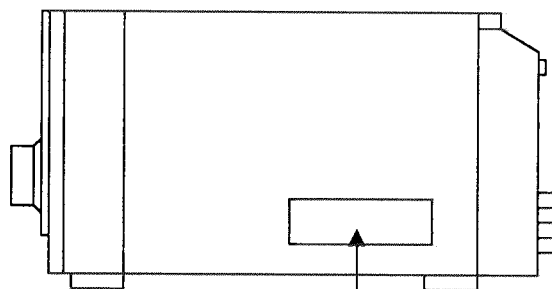
Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.

2. Safety Precaution about UX-2000RGD

IMPORTANT FOR LASER PRODUCTS PRECAUTIONS

1. CLASS 1 LASER PRODUCT
2. **DANGER:** Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. **CAUTION:** Do not open the rear cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
4. **CAUTION:** The compact disc player uses invisible laser radiation and is equipped with safety switches which prevent the emission of radiation when the CD holder is open. It is dangerous to defeat the safety switches.
5. **CAUTION:** Use of controls for adjustments and the performance of procedures other than those specified herein may result in exposure to hazardous radiation.
6. **CAUTION:** The laser is able to function, if safety switches out of function. The laser light is invisible, avoid exposure, do not disassemble the laser unit, but replace the complete unit.

IDENTIFICATION LABEL AND CERTIFICATION LABEL



IMPORTANT (In the U. K.)

Mains Supply (AC 230 V~, 50 Hz only)

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

BE SURE to replace the fuse only with an identical approved type, as originally fitted, and to replace the fuse cover.

If nonetheless the mains plug is cut off ensure to remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

IMPORTANT

DO NOT make any connection to the terminal which is marked with the letter E or by the safety earth symbol or coloured green or green-and-yellow.

The wires in the mains lead on this product are coloured in accordance with the following code:

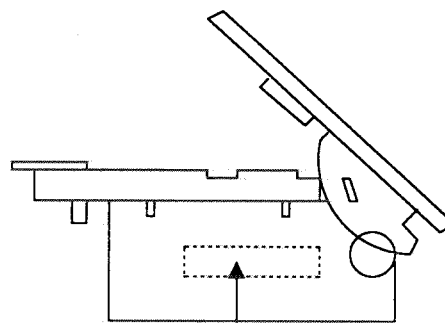


As these colours may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

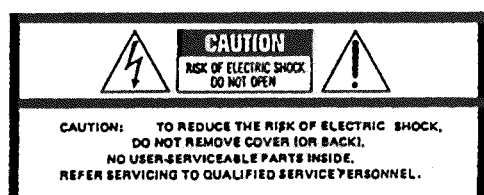
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

IF IN DOUBT - CONSULT A COMPETENT ELECTRICIAN.



DANGER: Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	ADVARSEL: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgåudsættelse for stråling. (d)	WARNING: Osynlig laserstråling når denna del är öppnad och spårren är urkopplad. Betrakta ej strålen. (s)	VARO: Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen. (f)
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The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

■ Important management points regarding safety(Item demanding special safety precautions)

1. Power transformer marking : VTP66J2 – 12K

The torque of the screw driver for the power transformor must be controlled.

2. Concerning the AC socket, the next marking must be confirmed and to avoid print circuit board pattern damage.

The AC socket must not float from print circuit board.

•Marking HJC027

3. Concerning the primary terminal and the adjacent secondary terminal on the print circuit board to provide proper creeping and spatial distance, solder must not protrude from soldering round.

4. Before installation confirm the fuse capacity indication, Ⓢ or Ⓢ mark on the holder.

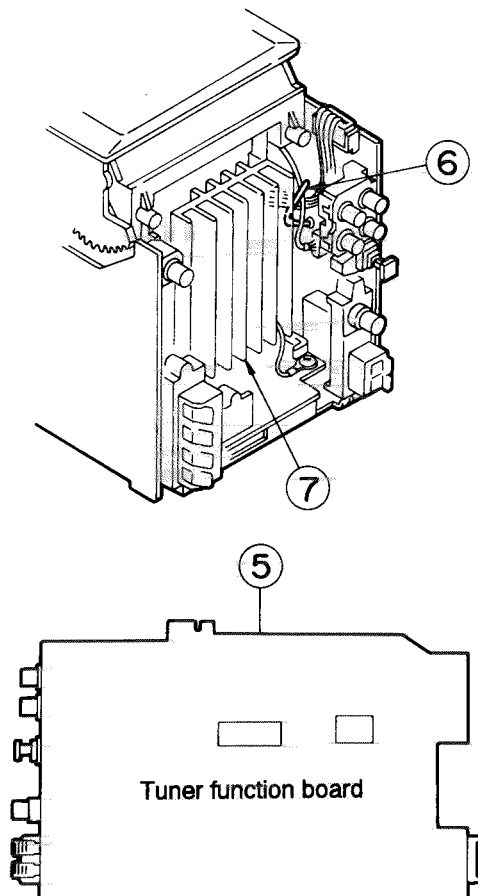
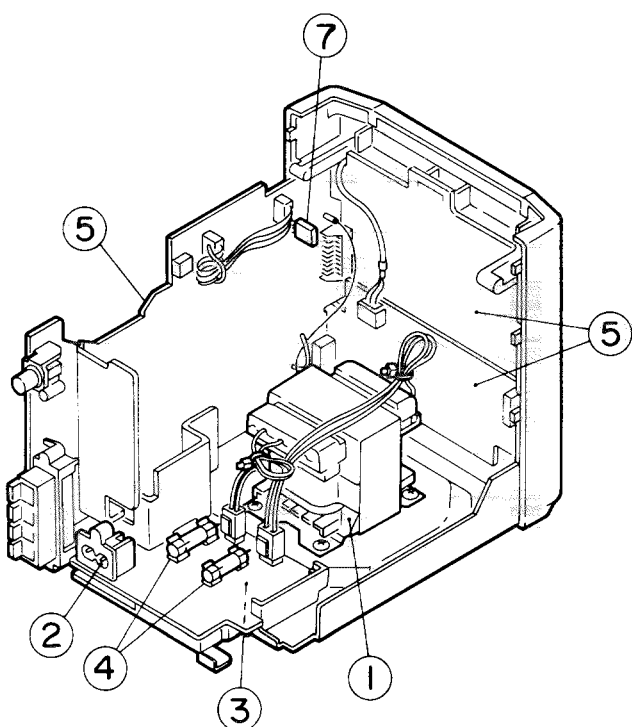
REF.NO	Capacity and mark	Indication on P.C.board	Version
F901	T400mA	T400mA	B/E/EN/G
F902	T6.3A	T6.3A	B/E/EN/G

5.The parts on the pattern side of the printed circuit board must be fixed with spacers or bond.

6. Wires must be clamped or secured at the locations shown in the figure so that the wire do not touch to live parts, moving part , hot part, or sharp edges.

7. Following parts are controlled as the heated parts. confirm that the flammable parts are lifted up the parts in () must be controlled.

• IC901, IC31, Q9201,R1001, R1002, Heat sink, IC holder(For IC901, IC31), IC Holder +Diode



JVC



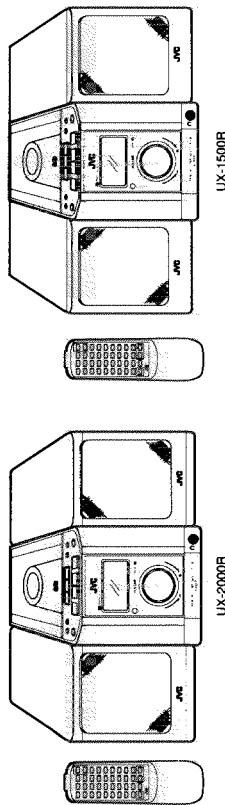
ULTRA MICRO COMPONENT SYSTEM

SISTEMA DE ULTRA MICROCOMPONENTES

SISTEMA AD ULTRA MICROCOMPONENTI

UX-2000R E

UX-1500R E

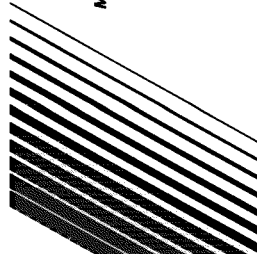


COMPACT
DISC
DIGITAL AUDIO

CD R-D-S EON

INSTRUCTIONS

ISTRUZIONI
MANUALE DI ISTRUZIONI



(No.10004) 5

3. Instructions

ENGLISH

Thank you for purchasing this JVC product. Please read these instructions carefully before starting operation to be sure to obtain optimum performance and a longer service life from the unit.



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ESPAÑOL

Le agradecemos la adquisición de este producto de JVC. Por favor lea detenidamente las instrucciones antes de comenzar la operación para obtener de esta unidad el rendimiento óptimo y una vida de servicio más larga.

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ITALIANO

Grazie per avere acquistato questo prodotto JVC. Si prega di leggere queste istruzioni con attenzione prima dell'uso per essere certi di ottenere prestazioni ottimali ed una lunga durata dell'unità.

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WARNING:
TO REDUCE THE RISK OF FIRE OR
ELECTRIC SHOCK, DO NOT EXPOSE
THIS APPLIANCE TO RAIN OR
MOISTURE.



IMPORTANT FOR LASER PRODUCTS

- PRECAUTIONS**
1. CLASS 1 LASER PRODUCT
 2. DANGER: Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
 3. CAUTION: Do not open the rear cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
 4. CAUTION: The CD player uses invisible laser radiation and is equipped with safety features which prevent the emission of radiation when the CD tray is open. It is dangerous to defeat the safety switches.
 5. CAUTION: Use of controls for adjustments and the performance of procedures other than those specified herein may result in exposure to hazardous radiation.

ADVERTENCIA:
PARA REDUCIR EL RIESGO DE
INCENDIO O DE CHOQUES
ELECTRICOS, NO EXPONGA ESTE
APARATO A LA LLUVIA O A LA
HUMEDAD.



IMPORTANTE PARA PRODUCTOS LASER

- PRECAUCIONES**
1. PRODUCTO LASER CLASE 1
 2. PELIGRO: Radiación laser invisible cuando se abre, falla o se desactiva el encerramiento. Evite la exposición directa al rayo.
 3. PRECAUCIÓN: No abra la cubierta trasera. Dentro de la unidad no hay componentes que el usuario pueda reparar; deje toda reparación al personal de servicio cualificado.
 4. PRECAUCIÓN: El reproductor de CD utiliza radiación invisible y está equipado con características de seguridad que evitan la emisión de radiación cuando se abre el portadisco de CD o el compartimiento del CD. Es peligroso desactivar los interruptores de seguridad.
 5. PRECAUCIÓN: La utilización de los controles de ajuste y de procedimientos que no estén especificados aquí, puede resultar en exposición a radiación peligrosa.

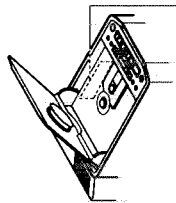
AVVERTENZA:
NON ESPORRE L'APPARECCHIO A
PIOGGIA O UMIDITA' ONDE RIDURRE I
RISCHI DI FIAMME O SCOSSE
ELETTRICHE.

Per l'Italia:
"Si dichiara che il questo prodotto di marca JVC è conforme alle prescrizioni del Decreto Ministeriale n.548 del 28/08/95 pubblicato sulla Gazzetta Ufficiale della Repubblica Italiana n.301 del 28/12/95."

IMPORTANTI PRECAUZIONI PER PRODOTTI LASER

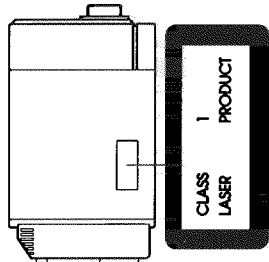
- PRECAUZIONI**
1. PRODOTTO LASER DI CLASSE 1
 2. PERICOLO: Quando l'apparecchio è aperto o i dispositivi di sicurezza non funzionano o sono stati disattivati, vengono prodotte invisibili radiazioni laser. Evitare l'esposizione diretta al raggio.
 3. ATTENZIONE: Non aprire la copertura posteriore. All'interno dell'unità non vi sono parti che possano interessare l'utente; fare eseguire qualsiasi intervento a personale di assistenza qualificato.
 4. ATTENZIONE: Il CD utilizza radiazioni laser invisibili ed è fornito di interruttori di sicurezza per evitare l'emissione di tali radiazioni quando il piatto del CD è aperto. Non escludere tali interruttori di sicurezza in quanto ciò è pericoloso.
 5. ATTENZIONE: L'uso di comandi e procedure diversi da quanto specificato possono risultare nell'esposizione a radiazioni pericolose.

REPRODUCTION OF LABELS AND THEIR LOCATION



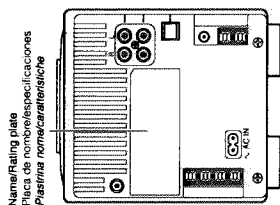
WARNING: Read this manual before using the unit.	SAFETY: Read this manual before using the unit.	CAUTION
Read this manual before using the unit.	Read this manual before using the unit.	Read this manual before using the unit.

REPRODUCTION DE ETIQUETAS Y SU UBICACION



Obs: Appareil inaltérable / laser-komponent av höga klasser av klass 1.

ETICHETTE E LORO POSIZIONE



FEATURES

- Ultra micro component system
- Power Amplifier (PA) circuit for low-frequency sound reproduction (COMPU PLAY)
- 40-key remote control unit
- Multi-function CD player
- Programmed play of up to 20 tracks
- Repeat Play
- Random Play
- 2-band digital synthesizer tuner with 45-station
- Sleep timer and AM (MW/LW) preset capability
- Auto preset tuning
- Time/Clock function
- Sleep timer can be set for up to 120 minutes
- Dimmer button
- Optical digital output
- Subwoofer output

CARACTERISTICAS

- Sistema de ultra microcomponentes
- Circuito Amplificador de Potencia (PA) para reproducción sonora de baja frecuencia (COMPU PLAY)
- Unidad de control remoto con 40 teclas
- Reproductor de CD con funciones múltiples
- Reproducción programada hasta 20 pistas
- Repetición de reproducción
- Reproducción aleatoria
- Sintonizador sintetizador digital de 2 bandas con capacidad para sintonización de 45 estaciones
- Temporizador y sintonización automática
- Sintonización programada automática
- Función de temporizador/reloj
- Activación/desactivación del temporizador con función de volumen preajustado
- El temporizador despertador puede ser programado hasta un máximo de 120 minutos
- Botón atenuador
- Salida digital óptica
- Salida del altavoz de subgraves

CARATTERISTICHE

- Sistema ad ultra microcomponenti
- Circuito Amplificatore di Potenza (PA) per la riproduzione sonora delle basse frequenze (COMPU PLAY)
- Funzionamento ad un solo tasto (COMPU PLAY)
- Lettore CD multifunzione
- Riproduzione programmata di fino a 20 brani
- Riproduzione ripetuta
- Sintonizzatore a sintonizzazione digitale a 2 bande con capacità per sintonizzazione di 45 stazioni con (30 FM e 15 MW/LW)
- Sintonizzazione automatica
- Sintonizzazione con ricezione automatica
- Funzione timer/orologio
- Funzione di attivazione e disattivazione via timer con preimpostazione del volume
- Il timer per lo spegnimento automatico può essere impostato per fino a 120 minuti
- Tasto illuminazione
- Uscita digitale ottica
- Uscita subwoofer

SAFETY PRECAUTIONS



Prevention of Electric Shocks, Fire Hazards and Damage

1. STANDBY: A very small current will flow. To save power and for safety when not using the unit for an extended period of time, disconnect the power cord from the household AC outlet.
2. Do not handle the power cord with wet hands.
3. When unplugging from the wall outlet, always grasp and pull the plug, not the power cord.
4. Consult your nearest dealer when damage, disconnection, or contact failure affects the cord.
5. Do not bend the cord severely, or pull or twist it.

PRECAUCIONES DE SEGURIDAD

Prevenición de choques eléctricos, peligro de incendio y daños

1. Aunque el botón de alimentación POWER, si está conectado en espera STANDBY, fluye una pequeña corriente eléctrica. Para ahorrar energía y por seguridad cuando no utiliza esta unidad durante un largo periodo, desconecte el cable eléctrico del tomacorriente de CA.
2. No manipule el cable eléctrico con las manos mojadas.
3. Cuando lo desenchufe del tomacorriente de la pared, sujete siempre por el enchufe, nunca por el cable.
4. En caso de que el cable sea afectado por daños, desconexión, o falso contacto, consulte a su agente más cercano.
5. No doblar en ángulo agudo el cable, no jale del mismo ni lo retuerza.

PRECAUTIONS FOR LA SICUREZZA

Prevenzione di scosse elettriche, fiamme e danni

1. Anche quando l'interruttore POWER si trova sulla posizione STANDBY, una piccola quantità di corrente continua a fluire. Per risparmiare energia e per ragioni di sicurezza, scollegare il cavo dell'alimentazione della presa di corrente CA prima di non utilizzare l'unità per un periodo prolungato.
2. Non maneggiare il cavo di alimentazione con le mani bagnate.
3. Per scollegarsi dalla presa di rete, allentare sempre la spina e non il cavo dell'alimentazione.
4. Consultare il rivenditore più vicino quando il cavo è danneggiato, scollegato o con contatti scaldati.
5. Non piegare eccessivamente il cavo, non tirarlo e non torcerlo.

6. Do not modify the power cord in any manner.
7. To avoid accidents, do not remove screws to disassemble the unit, and do not touch anything inside the unit.
8. Do not insert any metallic objects into the unit.
9. Unplug the power cord when there is a possibility of lightning.
10. If water gets inside the unit, unplug the power cord from the outlet and consult your dealer.
11. Do not block the unit's ventilation holes that allow heat to escape.
12. Since this unit uses a motor-driven CD holder or CD tray, make sure that your hand or other objects do not obstruct holder or tray movement.

POWER button

When the power cord is connected to a household AC outlet, the power indicator lights inside the unit. When the POWER button is pressed, the power indicator goes out and the display window lights.

When this unit is plugged into an AC outlet, it consumes a small current to operate the microprocessor. When the POWER button is pressed, the memory of the microprocessor, even when the POWER button is set to STANDBY.

6. No modifique el cordón eléctrico de ninguna manera.
7. Para evitar accidentes, no extraiga los tornillos para desarmar la unidad y no toque nada dentro de la misma.
8. No inserte ningún objeto metálico dentro de la unidad.
9. Desenchufe el cordón eléctrico cuando haya posibilidad de caída de rayos.
10. Si se introduce agua dentro de la unidad, desenchufe el cordón eléctrico del tomacorriente y consulte a su agente de la unidad que permiten el escape de calor.
11. No bloquee los orificios de ventilación de la unidad que permiten el escape de calor.
12. Como esta unidad utiliza un portadiscos o una bandeja de CD motorizada, asegúrese que su mano u otro objeto no obstruya el movimiento del mismo.

Botón POWER

Cuando se conecta el cordón eléctrico al tomacorriente de CA, el indicador de iluminación se enciende. Cuando se presiona el botón POWER, el indicador de iluminación se apaga y se enciende la ventanilla de indicación.

Esta unidad consume una pequeña corriente cuando se la conecta a un tomacorriente de CA para hacer funcionar el controlador remoto y el temporizador, o para apoyo de la memoria del microprocesador, aun cuando se haya colocado el botón POWER en STANDBY.

6. Non modificare il cavo di alimentazione in alcun modo.
7. Per evitare incidenti, non rimuovere viti per smontare l'unità e non toccare alcun componente interno.
8. Non inserire alcun oggetto metallico nell'unità.
9. Scollegare il cavo di alimentazione durante temporali con fulmini.
10. Se dell'acqua dovesse penetrare all'interno dell'unità, scollegare il cavo dell'alimentazione dalla presa di rete e consultare il proprio rivenditore.
11. Non bloccare i fori per la ventilazione dell'unità che permettono la dissipazione del calore.
12. Dato che questa unità utilizza un piatto o cassetto di CD motorizzato, accertarsi di non ostruire il movimento con una mano o un oggetto.

Tasto POWER

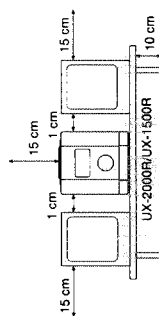
Cuando el cavo de alimentación es conectado con una presa de red CA, el indicador de iluminación se ilumina en rojo. Cuando se presiona el botón POWER, el indicador de iluminación se apaga y el display se ilumina.

Cuando esta unidad es conectada ad una presa de corriente CA, essa consuma uma pequena corrente para fazer funcionar o controle remoto e o temporizador, ou para o manutimento da memória do microprocessador, ainda quando o botão POWER é imposto ao STANDBY.

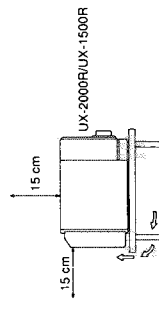
Caution:

- Proper Ventilation**
To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:
1. Front: No obstructions and open spacing.
 2. Sides/Top/Back: No obstructions should be placed in the areas shown by the dimensions below.
 3. Bottom: Place on a level surface. Maintain an adequate air path for ventilation by placing on a table with a height of 10 cm or more.

Front view
Vista frontal
Visión anterior



Side view
Vista lateral
Visión lateral

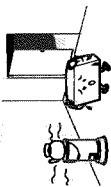


Attenzione:

- Ventilazione corretta**
Per evitare rischi di scosse elettriche e fiamme, installare l'apparecchio come indicato di seguito:
1. Lato anteriore: Nessun ostacolo e spazio aperto.
 2. Lati sinistro e destro/superiore/posteriore: Nessun ostacolo deve essere posto nelle aree indicate dalle dimensioni riportate in basso.
 3. Fondo: Posizionare su di una superficie a livello. Mantenere un percorso adeguato per la ventilazione utilizzando una tavola con un'altezza di 10 cm o più.

PRECAUCIONES DE MANIPULACION

PRECAUCIONES PER L'USO



Do not use this unit in direct sunlight where it would be exposed to high temperatures above 40°C (104°F).

Non utilizzare questa unità in luoghi esposti alla luce solare diretta dove la temperatura può superare i 40°C.

- Avoid installing in the following places**
 - Where it could be subject to vibrations.
 - Where it is excessively humid, such as in a bathroom.
 - Where it could be magnetized by a magnet.
- Pay attention to dust**

Be sure to close the CD holder or CD tray so that dust does not collect on the lens. Do not touch the lens.
- Condensation**

In the following cases, condensation may occur in the unit, in which case the unit may not operate correctly.

 - In a room where a heater has just been switched on.
 - A place where there is smoke or high humidity.
 - When the unit is moved directly from a cold to a warm room.

In these cases, set the POWER button to ON and wait 1 or 2 hours before use.
- Volume setting**

CDs produce very little noise compared with analog sources. If the volume level is adjusted for these sources, the speakers may be damaged by the sudden increase in output level. Turn down the volume before operation and adjust it as required during play.
- Safety mechanism**

This unit incorporates a safety interlock mechanism which switches the laser beam on and off, so that when the CD holder or CD tray is open, the laser beam stops automatically.
- Do not place cassette tapes, etc. near the speakers**

Speakers are magnets in the speakers, do not place tapes or magnetic cards on them as recorded data could be erased.
- Keep this unit away from your TV**

When this unit is used near a TV, the TV picture could be distorted. If this happens, move this unit away from the TV. If this does not correct the situation, avoid using this unit when the TV is turned on.
- Clean the unit**

If the cabinet gets dirty, wipe it with a soft, dry cloth. Never use benzine or thinner as these could damage the surface finish.
- When listening with headphones**
 - Do not listen at high volumes as this could damage your hearing.

- Evite instalar en los siguientes lugares**
 - Donde pueda ser sujeta a vibraciones.
 - Donde haya humedad excesiva, tal como en un cuarto de baño.
 - Donde pueda ser magnetizada por un imán.
- Preste atención al polvo**

asegúrese de cerrar el portadisco o compartimento de CD para que el polvo no se deposite sobre la lente. No toque la lente.
- Condensación**

En los siguientes casos, puede producirse condensación dentro de la unidad y en consecuencia la unidad no funcionará correctamente.

 - En un lugar donde haya un calentador encendido.
 - En un lugar donde haya humo o gran humedad.
 - Cuando se traslada rápidamente la unidad de una sala fría a una templada.

En estos casos, coloque el botón POWER en ON (conectado) y espere 1 o 2 horas antes de utilizarla.
- Ajuste del volumen**

Los discos de CD producen muy poco ruido comparados con los discos analógicos. Si ajusta el nivel de volumen para estas fuentes, es posible que los altavoces sean dañados por el incremento brusco del nivel de salida. Por ello, reduzca el volumen antes de la operación y ajústelo como desee durante la reproducción.
- Mecanismo de seguridad**

Esta unidad posee un mecanismo de encendido de seguridad que apaga y enciende el rayo láser de la unidad. Cuando se abre el portadisco o compartimento de CD, el rayo láser se apaga automáticamente.
- No coloque cassettes de cinta, etc., próximos a los altavoces**

Como hay imanes en los altavoces, no coloque cintas o tarjetas magnéticas sobre los mismos, ya que los datos grabados pueden ser borrados.
- Manténgalo lejos de su TV**

Cuando se usa esta unidad próxima a un TV, la imagen de este puede ser distorsionada. Si ello ocurre, mueva esta unidad lejos del TV. Si esto no corrige el problema, evite usar esta unidad cuando el TV está encendido.
- Limpieza del gabinete**

Si el gabinete se ensucia límpielo con un paño suave y seco. Nunca utilice bencina o solventes ya que estos pueden dañar la superficie.
- Cuando escuche con auriculares**
 - No escuche con el volumen muy alto porque podrían dañarse sus oídos.

- Evitar la instalación en los lugares siguientes**
 - En los lugares donde la unidad puede estar sujeta a vibraciones.
 - En lugares excesivamente húmedos como una estancia de baño.
 - En lugares donde la unidad puede estar magnetizada por un imán o por un difusor.
- Fare attenzione alla polvere**

Accertarsi di chiudere il piatto del CD in modo che la polvere non si raccoglia sulla lente del pickup. Non toccare la lente del pickup.
- Condensa**

Nel caso seguenti della condensa si potrebbe formare nell'unità, impedendo il funzionamento corretto dell'unità stessa.

 - In un luogo dove c'è il riscaldamento è appena stato acceso.
 - In un luogo fumoso o con elevata umidità.
 - Cuando la unidad viene spostata direttamente da una stanza fredda ad una calda.

In questi casi, portare il tasto POWER su ON ad attendere 1 o 2 ore prima di utilizzare l'unità.
- Impostazione del volume**

I CD producono un rumore estremamente basso rispetto ai supporti analogici. Se si regola il volume in base al livello dei CD, il livello del volume forse impostato per tali fonti, i diffusori potrebbero venire danneggiati dall'improvviso aumento del livello in uscita. Abbassare perciò il volume prima dell'uso e regolarlo quindi durante la riproduzione.
- Mecanismo di sicurezza**

Questa unità incorpora un meccanismo di sicurezza che attiva e disattiva il raggio laser in modo che quando il piatto del CD è aperto il raggio laser viene disattivato.
- Non posare nastri a cassetta, ecc., in prossimità dei diffusori**

Dato che i diffusori incorporano dei magneti, non posare nastri registrati o schede magnetiche su di essi in quanto i materiali registrati potrebbero venire cancellati.
- Tenere l'unità lontana dal televisore**

Quando questa unità viene utilizzata in prossimità di un televisore, la TV potrebbe subire disturbi. Se ciò dovesse accadere allontanare l'unità dal televisore. Se ciò non fosse sufficiente ad eliminare le interferenze, evitare di utilizzare questa unità quando il televisore è acceso.
- Pulizia dell'esterno dell'unità**

Se l'esterno dell'unità fosse sporco, strofinare con un panno morbido ed asciutto. Non usare mai benzina o diluente in quanto essi possono danneggiare la finitura delle superfici.
- Cuando si ascolta con le cuffie**
 - Non ascoltare ad alto il volume in modo da danneggiare le orecchie.

CONNECTIONS

- Do not switch the power on until all connections are completed.

Antenna connection and adjustment

- AM (MW/LW) loop antenna adjustment

CONEXIONES

- No conecta la alimentación hasta haber completado todas las conexiones.

Conexión y ajuste de la antena

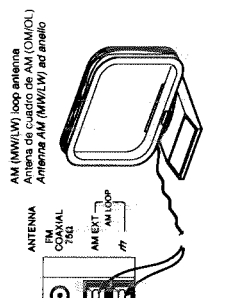
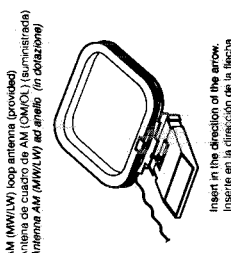
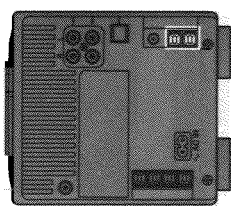
- Ajuste de la antena de cuadro para AM (OMI/OL)

COLLEGAMENTI

- Non attivare l'alimentazione prima del completamento dei collegamenti.

Collegamento e regolazione antenna

- Regolazione antenna AM ad anello (MW/LW)

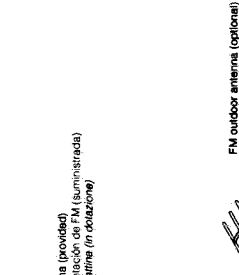
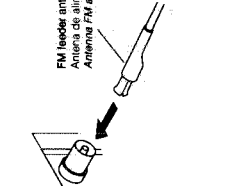
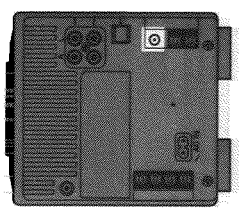


- Keep the loop antenna away from the unit and install it so that the best reception is obtained. (Do not leave the antenna wire in a bundle.)
- Conserve la antena de cuadro separada de la unidad e instálala de tal manera que se obtenga la mejor recepción. (No deje enrollado el cable de la antena.)
- Tenere l'antenna ad anello lontana dall'unità ed installarla in modo da ottenere la migliore ricezione possibile. (Non lasciare avvolto il filo dell'antenna.)

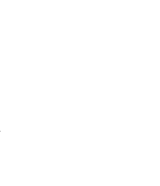
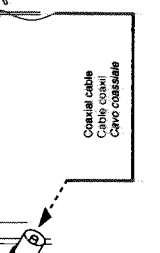
FM antenna connections and adjustments

- Conexiones y ajuste de la antena de FM

- Collegamento e regolazione antenna FM



- Use an outdoor antenna when stable reception cannot be obtained with the provided antenna.
- Cuando no sea posible obtener una recepción estable con la antena suministrada, utilice una antena exterior.
- Utilizzare un'antenna esterna quando non è possibile ottenere una ricezione stabile per mezzo dell'antenna in dotazione.



Notes:

- Do not place the loop antenna on a metal desk or near a TV or personal computer.
- Installing an outdoor antenna requires expertise; we recommend that you consult an audio dealer.
- Install the antenna cord away from the power and speaker cords as these could generate noise. Do not install the loop antenna so that it touches the rear of the unit.

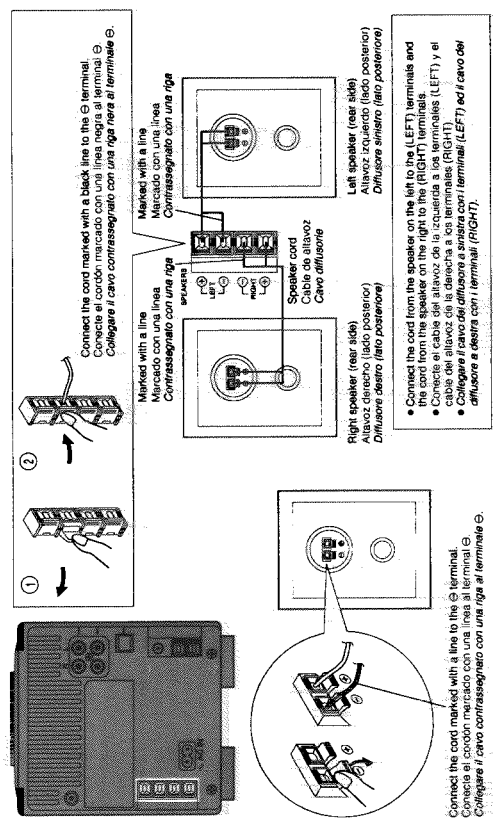
Notes:

- No coloque la antena de cuadro sobre un escritorio de metal o cerca de un TV o computador personal.
- La instalación de una antena externa requiere conocimientos; nosotros le recomendamos que consulte con su agente de audio.
- Coloque el cable de la antena lejos de los cables de alimentación y de los altavoces, ya que estos pueden generar interferencia. No instale la antena de cuadro de modo que toque la parte trasera de la unidad.

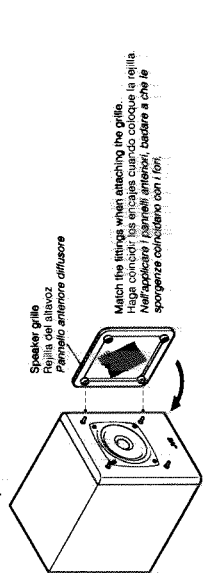
Note:

- Non installare l'antenna ad anello su di un tavolo metallico oppure nelle vicinanze di un televisore o di un personal computer.
- L'installazione di un'antenna esterna richiede esperienze; si raccomanda di consultare un rivenditore di apparecchiature audio.
- Installare il cavo dell'antenna lontano dal cavo di alimentazione e dai cavi dei diffusori in quanto questi potrebbero generare disturbi. Non installare l'antenna ad anello in modo che non tocchi il retro dell'unità.

Speaker cord connection



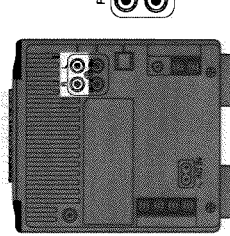
- The speaker grilles can be removed.
 1. Insert your fingers at the top and pull towards you.
 2. Also pull the bottom towards you.
- Attaching the speaker grille.
 - Connect the speaker cord to the speaker terminal.
 - Application of the speaker grille to the speaker terminal.



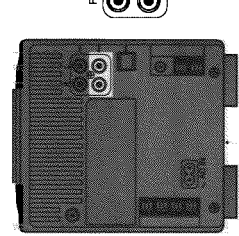
- The polarity of the two connected speakers must be the same. If the polarity is reversed, the sound will be degraded.
 1. Connect the speaker cord to the speaker terminal.
 2. Connect the speaker cord to the speaker terminal.
- The speakers of this unit are not magnetically shielded. When they are placed directly on or adjacent to a TV, the TV's picture could be distorted. Install the speakers more than 20 cm away from your TV. (UX-1500R only)
- The speakers are to be placed away from the audio source.
- When connecting the speaker cord make sure that the wire core, not the insulating cover, is connected to the speaker terminal. Otherwise, sound cannot be heard.

Connection of external audio units

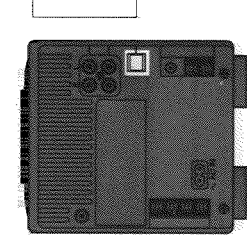
- Connection with a cassette deck or turntable, etc. (Line Input) (AUX)



- Connection with a cassette deck, etc. (AUX output)

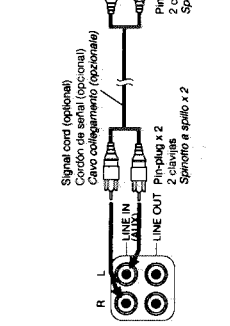


- Connection with an MD recorder, etc. (digital output)

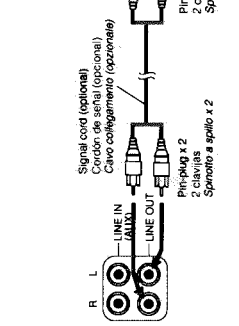


Conexión de unidades externas de audio

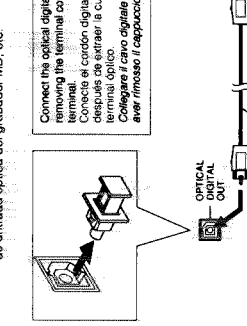
- Conexión con una platina de cassette o giradisco, etc. (Entrada de línea) (AUX)



- Conexión con una platina de cassette, etc. (AUX output)

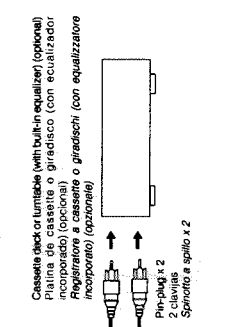


- Conexión con un grabador MD, etc. (salida digital)

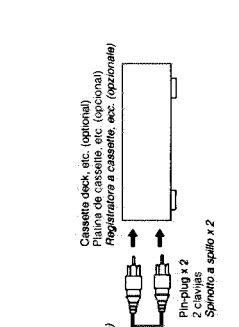


Collegamento di componenti esterni

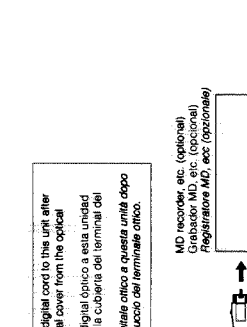
- Collegamento con un registratore a cassette o un giradischi, ecc. (Ingresso di linea) (AUX)



- Collegamento con un registratore a cassette, ecc. (uscita AUX)



- Collegamento con un registratore MD, ecc. (uscita digitale)



NOMI E FUNZIONI DELLE PARTI

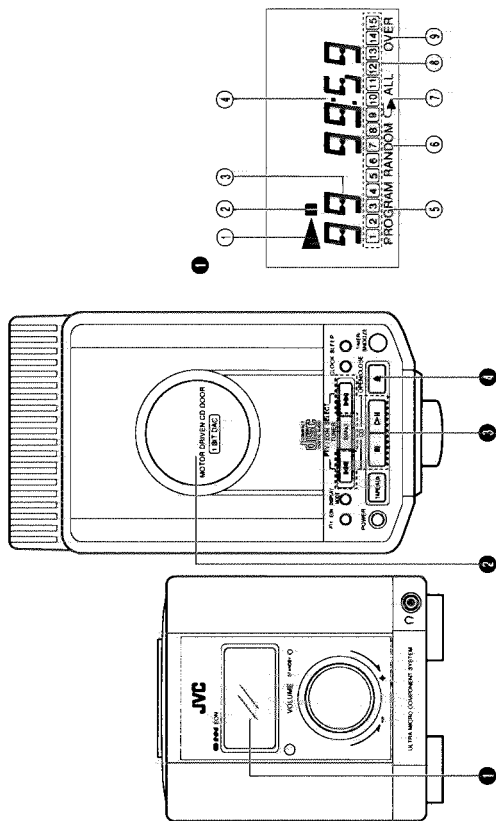
NOMBRES DE LAS PARTES Y SUS FUNCIONES

NAMES OF PARTS AND THEIR FUNCTIONS

CD player section

Sezione lettore CD

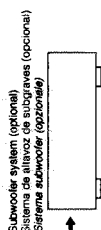
Sección del reproductor de CD



- 1** Display window
2 Playback indicator (▶)
3 Pause indicator (II)
4 Function/Track number display
5 Play time display
6 Program mode indicator (PROGRAM)
7 Repeat play indicator (≡ ALL)
8 OVER indicator
9 Music calendar display
10 OVER indicator
11 CD operation buttons
 Stop/clear button (■)
 Press to stop playing a CD or cancel programmed play. This also sets the CD mode.
 Play/pause button (▶/II):
 Press to play a CD or to stop temporarily.
 CD SEARCH buttons (◀, ▶):
 Press to locate the beginning of a track and start forward/reverse search operation.
12 CD holder (▲) OPEN/CLOSE button
- 1** Ventanilla de indicación
2 Indicador de reproducción
3 Indicador de pausa (II)
4 Indicación de función/número de pista
5 Indicación del tiempo de reproducción
6 Indicador del modo de programación (PROGRAM)
7 Indicador de reproducción aleatoria (RANDOM)
8 Indicador de repetición de reproducción
9 Indicador de calendario musical
10 Indicador de sobrepasado (OVER)
11 Indicador de operación del CD
 Botón (■) de parada/borrado.
 Presiónelo para detener la reproducción de un disco o cancelar la reproducción programada. Este también activa el modo de CD (▶/II) de reproducción/pausa.
 Botones (◀, ▶) de reproducción/pausa.
 Presiónelos para empezar la reproducción de un disco o para pausar temporalmente la reproducción.
 Botones (◀, ▶) de búsqueda (SEARCH) del CD.
 Presiónelos para ubicar al principio de una pista o para iniciar las operaciones de búsqueda hacia adelante/hacia atrás.
12 Botón (▲) de abrir/cerrar (OPEN/CLOSE) del compartimiento del CD
- 1** Finestra di indicazione
2 Indicatore di riproduzione (▶)
3 Indicatore di pausa (II)
4 Display funzione/numero pista
5 Display tempo di riproduzione
6 Indicatore modo programmazione (PROGRAM)
7 Indicatore riproduzione casuale (RANDOM)
8 Indicatore riproduzione ripetuta (≡ ALL)
9 Indicatore calendario musicale
10 Indicatore OVER
11 Pannello CD
 Tasto arresto/cancellazione (■):
 Premere questo tasto per interrompere la riproduzione di un CD o per cancellare la riproduzione programmata. Questo tasto imposta anche il modo del CD.
 Tasto riproduzione/pausa (▶/II):
 Premere questo tasto per riprodurre un CD o per sospendere temporaneamente la riproduzione.
 Tasti CD SEARCH (◀, ▶):
 Premere questi tasti per localizzare l'inizio di un brano o per avviare le operazioni di ricerca in avanti/indietro.
12 Tasto apertura/chiusura pannello CD (▲) (OPEN/CLOSE)

• Per eseguire questo collegamento è necessario un cavo digitale ottico (opzionale), per elettrar questa connessione. For necessary a digital optical cable (optional). Connect the optical digital cord to this unit after removing the terminal cover from the optical terminal.

• Collegamento con un sistema subwoofer (uscita subwoofer). È possibile collegare un sistema subwoofer esterno JVC, ecc., a questa unità.



Note:
 When headphones are connected to the unit, sound from the subwoofer is not cut off. If you wish to listen to sound from the headphones only, turn off the subwoofer's power or turn down its volume, or disconnect the subwoofer's cord.
Note:
 Aunque los audífonos estén conectados a la unidad, el sonido del altavoz de subgraves no se silencia. Si usted desea escuchar el sonido proveniente de los audífonos solamente, desconecte la alimentación del altavoz de subgraves o baje el volumen del mismo, o desconecte el cordón del altavoz de subgraves.
Note:
 Il subwoofer funziona anche se si usano cuffie. Perché tacila, spegnerlo, abbassare il volume o scollegare il cavo.

Note:
 En relación a la conexión de unidades externas y sus operaciones, refiérase a las instrucciones suministradas con esas unidades.

Note:
 En relación a la conexión de unidades externas y sus operaciones, refiérase a las instrucciones suministradas con esas unidades.

Note:
 Regarding the connection with external units and their operations, refer to the instructions provided with those units.

ALIMENTAZIONE

ALIMENTACION

POWER SUPPLY

Collegamento del cavo di alimentazione CA

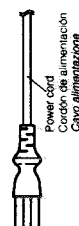
Conexión del cordón de CA

Connection of AC power cord

• Collegare il cavo di alimentazione CA dopo aver eseguito tutti gli altri collegamenti.

• Conecte el cordón de CA después de haber terminado todas las conexiones.

• Connect the AC power cord after all other connections have been made.



PRECAUZIONI:
 1. UTILIZZARE SOLO IL CAVO DI ALIMENTAZIONE JVC IN DOTAZIONE A QUESTA UNITÀ. PER EVITARE DISFUNZIONI O DANNI ALL'UNITÀ, STESSA.
 2. ACCERTARSI DI SCOLLEGARE IL CAVO DI ALIMENTAZIONE DALLA PRESA DI CORRENTE PRIMA DI RIMUOVERE LA UNITÀ PER UN PERIODO PROLUNGATO.

PRECAUTIONS:
 1. PARA EVITAR FALLAS O DAÑOS EN LA UNIDAD UTILICE EL CORDON DE ALIMENTACION DE JVC SUMINISTRADO CON ESTA UNIDAD.
 2. ASEGURESE DE DESENCHUFAR EL CORDON DE ALIMENTACION DEL COMARCORRIENTES CUANDO SALGA O REMUEVA LA UNIDAD POR UN LARGO PERIODO.

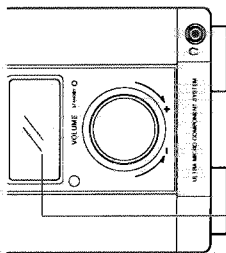
CAUTIONS:
 1. ONLY USE WITH JVC POWER CORD PROVIDED WITH THIS UNIT TO AVOID MALFUNCTION OR DAMAGE TO THE UNIT.
 2. BE SURE TO UNPLUG THE POWER CORD FROM THE OUTLET WHEN GOING OUT OR WHEN THE UNIT IS NOT IN USE FOR AN EXTENDED PERIOD OF TIME.

Note:
 Quando si verifica un'interruzione di corrente oppure quando il cavo di alimentazione CA viene scollegato, l'impostazione del timer/orologio viene cancellata dalla memoria. Reimpostare l'orologio quando l'alimentazione viene riammessa.

Note:
 Cuando hay un corte de energía eléctrica o cuando se desconecta el cordón de alimentación CA, el ajuste del temporizador/reloj se borra de la memoria. Reponición el reloj cuando se restaure el suministro eléctrico.

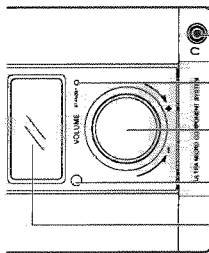
Note:
 When there is a power failure or the AC power cord is disconnected, the time/clock setting is erased from memory. Reset the clock when the power supply is restored.

Tuner section



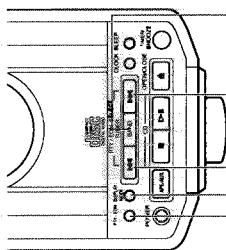
- 1 Display window
- 2 Band indicator
- 3 Radio frequency display
- 4 Indicator EON
- 5 Program type (TA/NEWS/INFO) indicators
- 6 MONO indicator
- 7 PTY (Programme Type)/EON (Enhanced Other Networks) button
- 8 DISPLAY MODE button
- 9 Tuning buttons (←/→/▶/◀)
- 10 Other Networks/SELECT buttons (←/→/▶/◀)
- 11 TUNER/BAND button
- 12 Press to select tuner mode
- 13 Press to select the band

General section



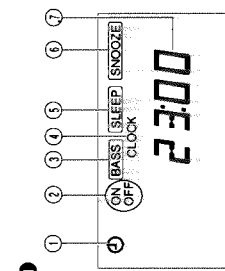
- 1 Display window
- 2 Timer mode indicator
- 3 Timer indicator (ON/OFF)
- 4 ACTIVE HYPER-BASS PRO indicator
- 5 CLOCK indicator
- 6 SLEEP indicator
- 7 SNOOZE indicator
- 8 Time display
- 9 Volume level display
- 10 Remote sensor section
- 11 VOLUME control knob
- 12 Power STANDBY indicator
- 13 Headphones jack (3.5 mm dia. stereo mini)
- 14 Connect headphones (impedance 16 Ω to 1 kΩ) to this jack. Speaker sound is automatically switched off when the headphones are connected.

Sección del sintonizador



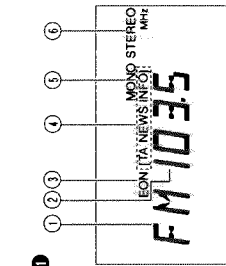
- 1 Ventanilla de indicación
- 2 Indicador de banda
- 3 Indicador de frecuencia de radio
- 4 Indicador EON
- 5 Indicador tipo programa (TA/NEWS/INFO)
- 6 Indicador monolónico (MONO)
- 7 Botón PTY (tipo de programa)/EON (realizado de otra red)
- 8 Botones de sintonización (←/→/▶/◀)
- 9 Botones SELECT (←/→/▶/◀) de PTY (Tipo Programa)/EON (Realizado de Otra Red)
- 10 Botón sintonizador/banda (TUNER/BAND)
- 11 Presiónelo para seleccionar el modo de sintonizador
- 12 Presiónelo para seleccionar la banda

Sección general



- 1 Ventanilla de indicación
- 2 Indicador modo temporizador
- 3 Indicador de activación/desactivación (ON/OFF) del temporizador
- 4 Indicador de hiper grave activo profesional (BASS)
- 5 Indicador CLOCK
- 6 Indicador SLEEP
- 7 Indicador SNOOZE
- 8 Indicación de hora
- 9 Indicación de nivel de volumen
- 10 Indicación de nivel de graves/árido
- 11 Perilla de control de volumen
- 12 Indicador de espera (STANDBY) de alimentación
- 13 Jack de audífonos (3.5 mm diámetro)
- 14 Conecte los audífonos (impedancia de 16 Ω a 1 kΩ) a este jack. El sonido de los altavoces se apaga automáticamente cuando se conectan los audífonos.

Sezione sintonizzatore

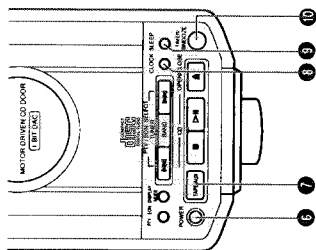


- 1 Finestrino display
- 2 Indicatore banda
- 3 Display frequenza
- 4 Indicatore EON
- 5 Indicatore tipo programma (TA/NEWS/INFO)
- 6 Indicatore stereo (MONO)
- 7 Tasto PTY (Tipo programma)/EON (Potenzamento altre reti)
- 8 Tasti sintonizzazione (←/→/▶/◀)
- 9 Tasti PTY (Tipo programma)/EON (Potenzamento altre reti) SELECT (←/→/▶/◀)
- 10 Premere questo tasto per selezionare il modo del sintonizzatore
- 11 Premere questo tasto per selezionare la banda

Sezione generale



- 1 Finestrino display
- 2 Indicatore timer
- 3 Indicatore Active Hyper-bass Pro (BASS)
- 4 Indicatore orologio (CLOCK)
- 5 Indicatore SLEEP
- 6 Indicatore SNOOZE
- 7 Display orario
- 8 Display livello volume
- 9 Sintonizzatore telecomando
- 10 Manopola VOLUME
- 11 Perla di controllo di apparecchio in attesa (STANDBY)
- 12 Presa cuffia (3.5 mm stereo diam. 3.5 mm)
- 13 Collegare le cuffie (impedenza da 16 Ω a 1 kΩ) a questa presa. Il suono dei diffusori viene eliminato automaticamente quando le cuffie vengono collegate.

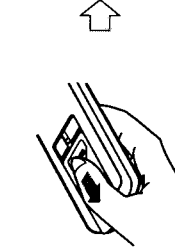


- 1 Botón de alimentación (POWER)
- 2 Botón TAPE/AUX
- 3 Botón del reloj (CLOCK)
- 4 Botón de temporizador de desconexión (SLEEP)
- 5 Botón TIMERS/SNOOZE

REMOTE CONTROL UNIT

Preparation before use

- Installing batteries in the remote control unit
- 1. Remove the battery cover from the back of the remote control unit.
- 2. Insert two "RBAA (15F)" size batteries.
- Insert the batteries with the \oplus and \ominus terminals matching the indication inside the battery compartment.



3. Replace the cover.

Battery replacement

When the remote control operation becomes unstable or the distance from which remote control is possible decreases, replace the batteries.

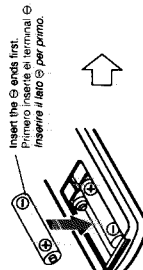
Using the remote control unit

- Point at the remote sensor section and operate within about 7 m (approx. 23 ft).
- The remote control range is less when the unit is used at an angle.
- Do not expose the remote sensor section to strong direct sunlight or artificial lighting.
- Make sure that there are no obstacles between the remote sensor section and the remote control unit.

UNIDAD DE CONTROL REMOTO

Preparativos antes usarla

- Instalación de las pilas en la unidad de control remoto
- 1. Extraiga la tapa de las pilas de la parte trasera de la unidad de control remoto.
- 2. Inserte dos pilas de tamaño "RBAA (15F)".
- Inserte las pilas con los terminales \oplus y \ominus de acuerdo a la indicación en el interior del compartimento de las pilas.



3. Reemplace la tapa.

Reemplazo de las pilas

Cuando el funcionamiento del controlador remoto se vuelve inestable o la distancia dentro de la cual actúa se reduce, reemplace las pilas.

Utilización de la unidad de control remoto

- Apunte a la sección del sensor remoto y opere dentro de los 7 m.
- El alcance del control remoto es menor cuando se lo usa en ángulo.
- No exponga la sección del sensor remoto a la luz directa del sol o a una fuerte iluminación artificial.
- Asegúrese de que no haya obstáculos entre la sección del sensor remoto y el control remoto.

UNITA' DI TELECOMANDO

Preparativi prima dell'uso

- Installazione delle batterie nel telecomando
- 1. Rimuovere il coperchio del vano batterie dal retro del telecomando.
- 2. Inserire due batterie di formato "RB/AA (15F)".
- Inserire le batterie con i terminali \oplus e \ominus orientati come indicato all'interno del vano stesso.



3. Reinserire il coperchio.

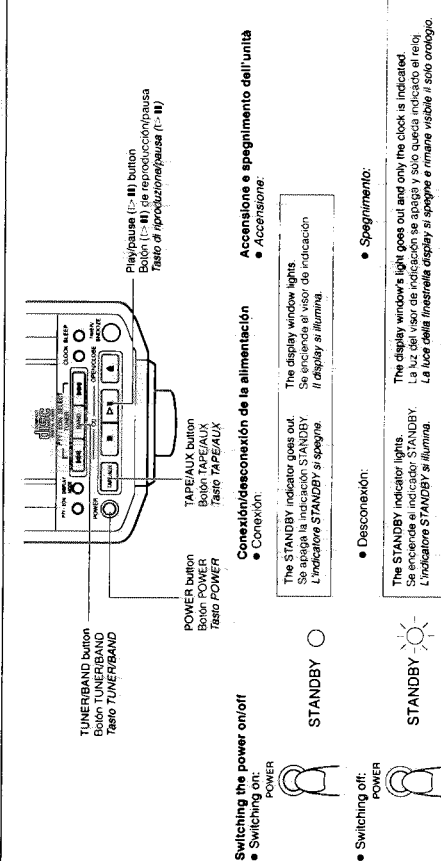
Sostituzione batterie

Cuando el funcionamiento dell'unità di telecomando è inintermittente oppure quando la distanza utile diminuisce, sostituire le batterie.

Uso dell'unità di telecomando

- Puntare l'unità verso la sezione del sensore del telecomando ad utilizzarla entro un'area di circa 7 m.
- Il campo d'utilizzo del telecomando è inferiore quando l'unità viene utilizzata da una posizione angolata.
- Non esporre la sezione del sensore del telecomando alla luce solare diretta o a una forte illuminazione artificiale.
- Accertarsi che non vi siano ostacoli tra la sezione del sensore del telecomando e l'unità di telecomando.

SWITCHING THE POWER ON/OFF CONEXION/DESCONEXION DE LA ALIMENTACION



One touch operation (COMPU PLAY) Operación de un solo toque (COMPU PLAY)

Even when the power is set to STANDBY, pressing the buttons shown below switches on the power and selects the source.

Function mode Modo de función	Operations Operaciones
CD	When this button is pressed with a CD loaded, CD playback begins. Si cuando se presiona este botón habiendo un CD colocado, comienza la reproducción del mismo. Si questo tasto viene premuto a motore CD carico, la riproduzione del CD ha immediatamente inizio.
TUNER	When this button is pressed, the tuner is engaged. Quando se presiona este botón, se activa el sintonizador. Se questo tasto viene premuto, il sintonizzatore si accende.
TAPE/AUX	A sound source connected to the LINE IN (AUX) terminal can be engaged. Es posible activar una fuente de sonido que está conectada al terminal LINE IN (AUX). Può attivare una sorgente di segnale collegata al terminale LINE IN (AUX).

When the (A) OPEN/CLOSE button is pressed, the sound source does not switch, but the CD holder can open or close.

Notes:
• When switching of the power be sure to press the POWER button.
• The COMPU PLAY buttons on the remote control have the same function as that on the main unit.

VOLUME, TONE AND OTHER CONTROLS VOLUMEN, TONO Y OTROS CONTROLES

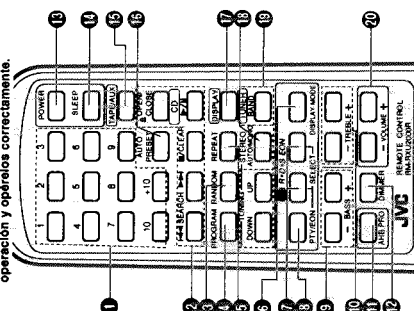
VOLUME button
+ : Use to increase the volume.
- : Use to decrease the volume.
(Control range from VOL 0 to VOL 50.)

Botón VOLUME
+ : Use para aumentar el volumen.
- : Use para reducir el volumen.
(Los límites de control van de VOL 0 a VOL 50.)

Testo VOLUME
+ : Per aumentare il volume.
- : Per diminuire il volume.
(Gamma controllo volume da VOL 0 a VOL 50.)

Le operazioni seguenti possono essere eseguite utilizzando l'unità di telecomando.

• Controllare con attenzione le funzioni dei tasti ed utilizzare quest'ultimi in modo corretto.



• Compruebe detalladamente el funcionamiento de los botones de operación y opráelos correctamente.

Las siguientes operaciones deben ser ejecutadas utilizando la unidad de control remoto.

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• Compruebe detalladamente el funcionamiento de los botones de operación y opráelos correctamente.

The following operations can be performed using the remote control unit.

• Check the operation button functions carefully and operate them correctly.

Las siguientes operaciones deben ser ejecutadas utilizando la unidad de control remoto.

• Compruebe detalladamente el funcionamiento de los botones de operación y opráelos correctamente.

Las siguientes operaciones deben ser ejecutadas utilizando la unidad de control remoto.

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• Compruebe detalladamente el funcionamiento de los botones de operación y opráelos correctamente.

Las siguientes operaciones deben ser ejecutadas utilizando la unidad de control remoto.

• Non utilizzare mai diluente, benzina, liquido pulente per dischi o spray antistatici.

• Nunca utilize solvente, gasolina, limpiador de discos o aerosol antistático.

• Never use thinner, benzine, record cleaner or antistatic spray.

Correct
Correcto
Corretto

Incorrect
Incorrecto
Incorretto

● Handling
● Manipolazione
● Maneggio

● Removing the CD from its storage case and loading it.
● Rimozione del CD dalla sua custodia e suo caricamento nel lettore.

● Press the center and lift out.
● Premere il centro e levare.

● Press to secure the CD.
● Premere per fissare il CD.

REPRODUZIONE DI CD

REPRODUCCION DE CD

PLAYING CDS

Riproduzione di un intero CD
L'esempio seguente per la riproduzione di un intero CD considera un CD con 12 brani ed un tempo di riproduzione totale di 48 minuti e 57 secondi.

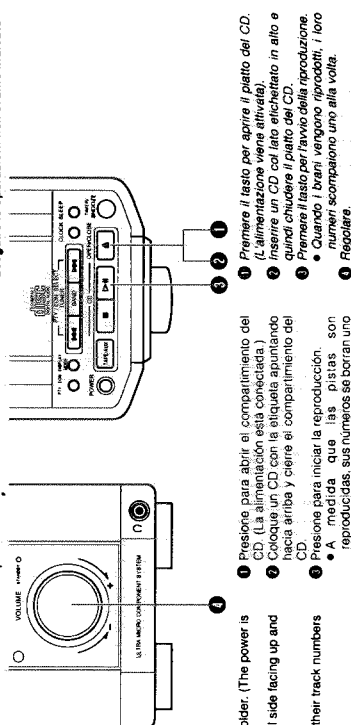
Reproducción de un CD completo
El siguiente ejemplo de reproducción de un CD completo supone que se ha colocado un CD con 12 pistas y un tiempo total de reproducción de 48 minutos y 57 segundos.

Playing an entire CD
The following example of playing an entire CD assumes a CD with 12 tracks and a total playing time of 48 minutes 57 seconds.

Eseguire le operazioni nell'ordine indicato

Opere en el orden mostrado

Operate in the order shown



Note:
Quando il piatto del CD viene chiuso premendo il tasto > II, la riproduzione del CD si avvia non appena il piatto è chiuso.

Note:
Cuando se cierra el compartimiento del CD presionando el botón > II, la unidad comienza a reproducir el mismo tan pronto como se cierra el compartimiento del CD.

Note:
When the CD holder is closed by pressing the > II button, the CD starts as soon as the CD holder is closed.

• La riproduzione di CD da 8 cm non richiede l'uso di alcun adattatore.

• Las CD da 8-cm pueden ser usados con esta unidad sin necesidad de adaptador.

• 8-cm (3") CDs can be used in this unit without an adapter.

• Quando l'alimentazione viene attivata, il display mostra il livello 0 (zero) al livello minimo. Per disattivare l'alimentazione stessa, mentre il modo di dissolvenza in ingresso è attivato, l'uso dei tasti VOLUME o della manopola di controllo interrompe la dissolvenza.

Tasti BASS/TREBLE (con l'unità di telecomando)
Per impostare il livello dei bassi o degli acuti, premere il tasto corrispondente. L'impostazione del livello spazia da -6 a 6.



Tasto ACTIVE HYPER-BASS PRO
ON: L'indicatore BASS si illumina. Selezionare questa impostazione per attivare la funzione Active Hyper Bass.
OFF: L'indicatore BASS si spoglia. Selezionare questa impostazione per disattivare la funzione Active Hyper Bass Pro.

Tasto DIMMER (con l'unità di telecomando)
• Quando l'alimentazione è attivata:
La pressione di questo tasto attenua l'illuminazione del display. Quando il tasto viene premuto di nuovo, il display ritorna alla luminosità normale.
• Quando l'alimentazione è disattivata:
Premere questo tasto quando si desidera vedere la visualizzazione dell'orologio; il display si illumina leggermente e si spegne dopo 10 secondi. (L'alimentazione viene disattivata).
• Entro i 10 secondi, tutti i tasti, esclusi i tasti con funzionamento ad un tocco ed il tasto TIMESNOOZE, non funzionano.

MANEGGIO DEL CD

Dato che CD sporchi, danneggiati o deformati possono danneggiare l'unità, fare attenzione a quanto segue:

1. **CD utilizzabili**
Utilizzare solo CD recanti il marchio indicato.
2. **Note sul maneggio del CD**
 - Non toccare la superficie registrata indebitamente.
 - Non scrivere o incidere alcunché sul lato etichettato.
 - Non piegare i CD.
3. **Conservazione**
 - Dopo aver rimosso un CD dall'unità, accertarsi di riporlo nella sua custodia.
 - Non esporre i CD alla luce solare diretta, a temperature elevate, ad umidità elevata o a polvere.
4. **Pulizia CD**
 - Prima di inserire un CD, pulire polvere, sporco o impronte digitali con un panno morbido. I CD devono essere puliti strofinando radialmente, dal centro verso il bordo.

• Quando si connette la alimentazione, il livello di volume 0 (zero) si rivela usato. Per disconnettere la alimentazione (mentre il modo di attenuazione è attivato), premere i bottoni VOLUME o il comando di controllo, interrompe la attenuazione).

Bottoni BASS/TREBLE (usando il mando a distanza)
Per regolare il livello di grave o agudo, premere il tasto corrispondente. L'ajuste de nivel va de -6 a 6.



Botón de hiper graves activos profesionales (ACTIVE HYPER-BASS PRO)
ON: Cuando enciende el indicador BASS. Cuando se activa, se ilumina el indicador BASS. Colocar el sonido hiper grave activo profesional.
OFF: Se apaga el indicador BASS. Colocar en esta posición cuando no desee escuchar el sonido de hiper grave activo profesional.

Botón DIMMER (usando el mando a distancia)
• Cuando se conecta la alimentación:
La presión de este botón reduce la luz del visor del display. Cuando el botón se presiona de nuevo, el visor de indicación vuelve a su brillo normal.
• Cuando la alimentación está desconectada:
Cuando usted desea ver la indicación del reloj, presione este botón; se encenderá el visor de indicación con brillo moribundo, y después de 10 segundos se apagará. (La alimentación está desconectada).
• Dentro de esos 10 segundos ningún otro botón que no sean los botones de funcionamiento a un toque y el botón TIMESNOOZE funciona.



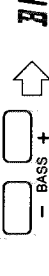
MANIPULACION DE CD

Como los CD sucios, dañados o alabeados pueden dañar la unidad, tome precauciones en relación a lo siguiente:

1. **CD utilizables**
Utilice CD con la marca indicada.
2. **Notas sobre manipulación de CD**
 - No toque la superficie grabada del CD.
 - No adhiere ni escriba nada sobre el lado etiquetado.
 - No doble los CD.
3. **Almacenamiento**
 - Después de extraer un CD de la unidad, asegúrese de colocarlo otra vez en su caja.
 - No exponga los CD a la luz directa del sol, altas temperaturas provenientes de un calentador, etc., alta humedad, o polvo.
4. **Limpieza de CD**
 - Antes de colocar un CD, limpie el polvo, suciedad o huellas digitales con un paño suave. Los CD deben ser limpiados radialmente desde el centro hacia el borde.

• When the power is switched on, the sound is faded in from volume level 0 (zero) to the level used before the power is switched off. (While the fade in mode is engaged, operating the VOLUME buttons or control knob interrupts fading.)

BASS/TREBLE buttons (using the remote control unit)
To set the bass or treble level, press the corresponding button. The level setting ranges from -6 to 6.



ACTIVE HYPER-BASS PRO button
ON: The BASS indicator lights up. Set to this position when ACTIVE HYPER-BASS PRO sound is not required.
OFF: The BASS indicator goes out. Set to this position when ACTIVE HYPER-BASS PRO sound is not required.

DIMMER button (using the remote control unit)
• When the power is switched on:
Pressing this button reduces the display window's light. When the button is pressed again, the display window returns to its normal brightness.
• When the power is switched off:
When you want to look at the clock display, press this button; the display window lights with subdued brightness, and after 10 seconds, will go out. (The power is switched off.)
• Within those 10 seconds, all buttons except one touch operation and the TIMESNOOZE button do not function.



HANDLING CDS

Since dirty, damaged and warped CDs may damage the unit, take care regarding the following:

1. **Usable CDs**
Use CDs with the mark shown.
2. **Notes on handling CDs**
 - Do not touch the reflective recorded side.
 - Do not stick or write anything on the label side.
 - Do not bend CDs.
3. **Storage**
 - After removing a CD from the unit, be sure to put it back in its case.
 - Do not expose CDs to direct sunlight, high temperatures, from a heater, etc., high humidity, or dust.
4. **Cleaning CDs**
 - Before loading a CD, wipe off any dust, dirt or fingerprints with a soft cloth. CDs should be cleaned by wiping radially from the center to the edge.

Random play (using the remote control unit)

Press the RANDOM button, and all tracks on a CD play once in random order.

Reproducción aleatoria (utilizando la unidad de control remoto)

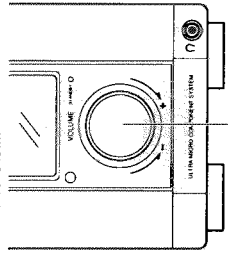
Para reproducir una vez todas las pistas de un CD automáticamente, presione el botón RANDOM.

Riproduzione casuale (utilizzando l'unità di telecomando)

Premere il tasto RANDOM e tutti i brani di un CD vengono riprodotti una volta in ordine casuale.

RADIO RECEPTION

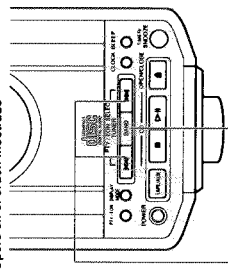
Operate in the order shown



- 1 Press the TUNER/BAND button.
- 2 The power is switched on and a band and radio frequency will be shown in the display.
- 3 Select the band.
- 4 Tune to the required station.
- 5 Adjust.

RADIORRECEPCION

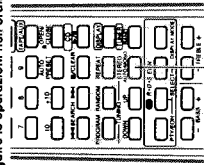
Opere en el orden mostrado



- 1 Presione el botón TUNER/BAND.
- 2 Se conecta la alimentación y aparece en el visor una banda y una frecuencia de radio.
- 3 Seleccione la banda.
- 4 Sintonice la estación deseada.
- 5 Ajuste.

RICEZIONE CON LA RADIO

Eseguire le operazioni nell'ordine indicato



- 1 Premere il tasto TUNER/BAND.
- 2 Il sistema si accende e sul display viene visualizzata la banda e la frequenza.
- 3 Selezionare la banda.
- 4 Sintonizzare la stazione desiderata.
- 5 Regolare.

STEREO AUTO/MONO button (using the remote control unit)

Auto mode:
Set this position when listening to or recording in stereo. The STEREO indicator lights when the FM stereo broadcast is received.

MONO:
Set to this position when FM stereo reception is noisy.

When another station is tuned to in the MONO mode, the unit automatically enters Auto mode.

Botón STEREO AUTO/MONO (utilizando la unidad de control remoto)

Modo automático:
Colóquelo en esta posición cuando escucha o graba una reproducción estéreo de FM. El indicador de STEREO se enciende cuando se recibe una radiodifusión estéreo de FM.

MONO:
Colóquelo en esta posición cuando la recepción estéreo de FM tenga ruido. Si se sintoniza otra estación en el modo MONO, la unidad ingresa automáticamente en el modo automático.

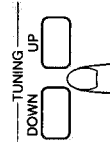
Tasto STEREO AUTO/MONO (utilizzando l'unità di telecomando)

Modo auto:
Impostare questa posizione quando si ascolta o si registra una trasmissione FM stereo. L'indicatore del modo STEREO si accende quando la trasmissione ricevuta è in stereo.

MONO:
Impostare questa posizione quando la ricezione FM stereo ha del rumore. Quando un'altra stazione viene sintonizzata nel modo MONO, l'unità entra automaticamente nel modo automatico.

Seek tuning

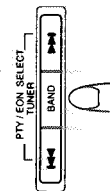
Press the UP or DOWN (▲ or ▼) button for one second or more. The unit enters the seek tuning mode to tune in the nearest station automatically, so the broadcast can be heard. In AM operation, the frequency moves continuously from the MW to the LW band and vice versa.



(Using the remote control unit)
(Utilizando la unidad de control remoto)
(Utilizzando l'unità di telecomando)

Búsqueda de sintonía

Presione el botón UP o DOWN (▲ o ▼) durante un segundo o más. La unidad ingresa durante un segundo o más. La unidad ingresa en el modo de búsqueda de sintonía automáticamente, así que se puede escuchar la transmisión. En la operación de AM, la frecuencia se mueve continuamente desde la banda de OM a la de OL y viceversa.

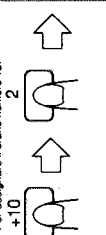


(Using the main unit)
(Utilizando la unidad principal)
(Usando dell'unità principale)

Sintonizzazione con ricerca

Premere il tasto UP o DOWN (▲ o ▼) per un secondo o più. L'unità entra nel modo di sintonizzazione con ricerca per sintonizzarsi automaticamente sulla stazione più vicina in modo da poter udire la trasmissione. Durante il funzionamento in AM, la frequenza passa continuamente dalla banda MW a quella LW e viceversa.

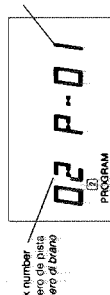
To designate the 12th track.
Para seleccionar la 12ª pista.
Per designare il brano numero 12.



The total playback time of programmed tracks is displayed.
Se muestra el tiempo de reproducción total de las pistas programadas.
Il tempo di riproduzione totale dei brani programmati viene visualizzato.

- 4 Designate the remaining tracks by pressing the track number buttons.
- 5 Press the ►/III button when programming is completed. Programmed play starts.

To confirm the details of a program...
Presione el botón PROGRAM, las pistas que componen el programa serán indicadas en el orden programado.

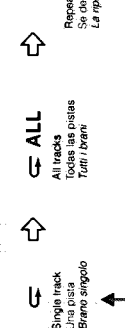


To clear the programmed tracks...
Presione el botón CLEAR antes de reproducir un CD. Durante la reproducción programada, presione este botón dos veces. Cuando se abren los menús de reproducción, las pistas programadas se borran automáticamente.

- Notes:**
- Si el tiempo total de reproducción de las pistas programadas excede los 99 minutos y 59 segundos, se apagará la indicación de tiempo total de reproducción.
 - Cuando el tiempo de reproducción de 16 pistas o más, aparecerá la indicación "OVER".

Repetición de reproducción (utilizando la unidad de control remoto)

Presione el botón REPEAT antes o durante la reproducción. Es posible repetir un o todas las pistas. Puede especificar la reproducción de una sola o de todas las pistas. Cada vez que presiona el botón REPEAT el modo cambia de la siguiente manera: una sola pista (≡ ALL), a todas las pistas (≡ ALL), al modo de borrado, en este orden.



- Repetición de una sola pista (≡) La pista que está siendo reproducida será reproducida repetidamente.
- Repetición de todas las pistas (≡ ALL) La unidad reproducirá repetidamente todas las pistas de un CD o las programadas.

- Repetizione di un singolo brano (≡) Il brano in corso di riproduzione viene riprodotto ripetutamente.
- Ripetizione di tutti i brani (≡ ALL) Tutti i brani oppure tutti i brani programmati di un CD vengono riprodotti ripetutamente.

Manual tuning

Each time the UP or DOWN (▲► or ▼◄) button is pressed, the unit steps through the current frequency band. Tuning is done in steps of 50 kHz in FM and 9 kHz in AM (MW/LW). In AM, the unit will continue to step continuously from the MW (522-1 629 kHz) to the LW (144-288 kHz) band and vice versa.

Press to move to lower frequencies.
Presione para disminuir la frecuencia.
Premiere per abbassare la frequenza.

- Notes:**
- When seek tuning to the required station is not possible because the broadcast signal is too weak, press the UP or DOWN (▲► or ▼◄) button momentarily to perform manual tuning.
 - When the power is set to STANDBY, or another mode (CD or TAPE/AUX) is selected, the last tuned frequency is stored in memory. When the power is switched on again and TUNER/BAND button is pressed, the same station will be tuned to.

Auto preset tuning (using the remote control unit)

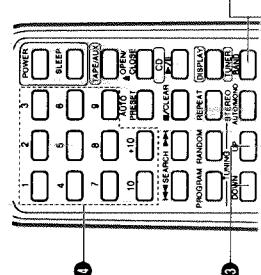
This function scans the current band, detecting frequencies used to broadcast signals and stores the first 30 FM frequencies and 15 AM (MW/LW) frequencies in memory automatically.

- Press the AUTO PRESET button for more than 2 seconds. The frequencies of stations broadcasting signals can be stored in memory automatically in the order of increasing frequency. (30 stations in FM band and 15 stations in AM (MW/LW) band)

Presetting stations (using the remote control unit)

30 stations in FM band and 15 stations in AM (MW/LW) band can be preset as follows:

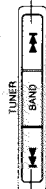
- Example: - (Presetting) an FM station broadcasting on 103.5 MHz to preset button "10".



- Press the TUNER/BAND button.
- Select the FM band using the TUNER/BAND button.
- Press the button "10" to preset the station.
- When "15" blinks in the preset station display, the station has been stored.

Sintonización manual

Cada vez que se presiona el botón UP o DOWN (▲► o ▼◄), la unidad pasa a través de la banda de frecuencia actual. La sintonización es efectuada en pasos de 50 kHz para FM y 9 kHz para AM (MW/LW). En AM, la frecuencia se sintoniza continuamente de la MW (522-1 629 kHz) a la de OL (144-288 kHz) y viceversa.



Press to move to higher frequencies.
Presione para aumentar la frecuencia.
Premiere per aumentare la frequenza.

- Notes:**
- Quando la sintonizzazione per búsqueda de la estación deseada no es posible debido a que la señal de radiodifusión es demasiado débil, presione el botón UP o DOWN (▲► o ▼◄) momentáneamente para realizar la sintonización manual.
 - Cuando la alimentación está conectada en STANDBY, o cuando selección otro modo (CD o TAPE/AUX), la última frecuencia sintonizada es almacenada en memoria. Cuando conecta la alimentación otra vez y presiona el botón TUNER/BAND, la unidad sintonizará la misma estación.

Sintonización automática (utilizando la unidad de control remoto)

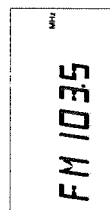
Esta función busca la banda actual, detectando las frecuencias usadas para transmitir señales de radiodifusión y almacena las primeras 30 frecuencias de FM y 15 frecuencias de AM (MW/LW) en memoria automáticamente.

- Presione el botón AUTO PRESET durante más de 2 segundos. Las frecuencias de las emisoras emitiendo señales de radiodifusión pueden ser almacenadas en memoria automáticamente en orden de frecuencia creciente. (30 estaciones en la banda de FM y 15 estaciones en la banda de AM (MW/LW)).

Presintonización de estaciones (utilizando la unidad de control remoto)

Es posible presintonizar 30 estaciones en la banda de FM y 15 estaciones en la banda de AM (OMOL) de la siguiente forma:

- Ejemplo: (Per presintonizar una estación FM que transmite en 103.5 MHz en el botón "15" de presintonización)



- Premiere el botón TUNER/BAND.
- Seleccionare la banda de FM utilizando el botón TUNER/BAND.
- Premiere el botón de presintonización "15" para almacenar la estación deseada.
- Cuando el "15" parpadea en el display de presintonización, la estación es presintonizada.

Sintonizzazione manuale

Ogni volta che il tasto UP o DOWN (▲► o ▼◄) viene premuto, l'unità cambia all'interno della banda corrente. La sintonizzazione viene eseguita in passi da 50 kHz in FM e 9 kHz in AM (MW/LW). In AM, la frequenza si sintonizza continuamente da MW (522-1 629 kHz) alla banda LW (144-288 kHz) e viceversa.

To change preset stations

Perform step 6 above after tuning to the required station.

Notes:

- When a previous stored station is erased when a new station is stored, because the new station's frequency replaces the previous frequency in memory.
- When listening to an AM (MW/LW) broadcast, noise may be heard if the remote control unit is used.
- All preset stations will be erased when the power cord is disconnected or a power failure occurs for more than 24 hours. In such cases, store the stations again.

Preset tuning

- The stations must be preset before this operation can be performed.

(Using the remote control unit)

- Press the TUNER/BAND button.
- Select the band using the TUNER/BAND button.
- Press the required preset station buttons (No. 1-10, 11-15, 16-20).
- The preset station number and frequency corresponding to the button pressed are shown.

Using the antennas (see page 6)

- FM:** Connect the provided FM feeder antenna.
- AM (MW/LW):** Adjust the position of the antenna loop antenna.

RDS (Radio Data System)

Using the RDS (Radio Data System) to receive FM stations.

The RDS allows FM stations to send additional signals with their regular programme signals. For example, the stations send their station names, and information about what type of programmes they broadcast, such as sports or music, etc. This unit can receive the following types of RDS signals:

- PS (Programme Service): Shows commonly known station names.
- PTY (Programme Type): Shows types of broadcast programmes.
- RT (Radio Text): Shows text messages the station sends.
- TA (Traffic Announcement): Shows traffic announcements being broadcast.

- Repeat the above procedure for each of the other stations, using a different preset button each time.
- Repeat the above procedure for the other band.

- Cambio de estaciones presintonizadas**
Ejecute el paso 6 después de sintonizar la estación deseada.

Notes:

- Si una estación previamente almacenada es borrada cuando se almacena otra estación, ya que la frecuencia de la nueva estación reemplaza la frecuencia anterior en memoria.
- Cuando escucha una radiodifusión de AM (OMOL), es posible que se escuche ruido si se utiliza la unidad de control remoto.
- Todas las estaciones presintonizadas se borran cuando se desconecta el cordón de alimentación u ocurre un corte de energía de más de 24 horas. En tales casos almacene las estaciones otra vez.

Presintonización

- Las estaciones deben ser presintonizadas antes de que se pueda ejecutar esta operación.

(Utilizando la unidad de control remoto)

- Presione el botón TUNER/BAND.
- Seleccione la banda utilizando el botón TUNER/BAND.
- Presione los botones (No. 1-10, 11-15, 16-20) de la estación presintonizada deseada.
- En el visor aparecerá el número de estación presintonizada y la frecuencia correspondiente al botón presionado.

Utilización de antenas (ver página 6)

- FM:** Conecte la alimentación de antena FM suministrada.
- AM (OMOL):** Ajuste la posición de la antena de cuadro de AM (OMOL).

RDS (Sistema de datos por radio)

Uso de RDS (Sistema de Datos por Radio) para recibir estaciones de FM.

El RDS permite que las estaciones de FM envíen señales adicionales con las señales de los programas normales. Por ejemplo, las estaciones envían sus nombres, e información acerca del tipo de programas que difunden tales como deportes o música, etc. Esta unidad puede recibir los siguientes tipos de señales RDS:

- PS (Servicio de Programa): muestra nombres de radiodifusoras conocidas.
- PTY (Tipo de programa): muestra los tipos de programas emitidos.
- RT (Texto por radio): muestra mensajes textuales que la estación emite.
- TA (Anuncio de tráfico): muestra anuncios de tráfico que están siendo emitidos.

- Repiteler la procedura soprandicata per ciascuna stazione desiderata utilizzando ogni volta un tasto di presintonizzazione diverso.
- Repiteler la procedura soprandicata per l'altra banda.

- Per cambiare le stazioni presintonizzate**
Esegure il tasto 6 dopo aver sintonizzato la nuova stazione desiderata.

Note:

- Quando si memorizza una nuova stazione, la stazione memorizzata in precedenza viene cancellata in quanto la frequenza della nuova stazione sostituisce quella memorizzata in precedenza.
- Cuando si ascolta una trasmissione AM (MW/LW) si possono udire dei disturbi se viene utilizzato il telecomando.
- Tutte le stazioni presintonizzate vengono cancellate se il cavo di alimentazione viene cancellato oppure se si verifica un'interruzione di corrente per più di 24 ore. In tali casi eseguire nuovamente la memorizzazione delle stazioni.

Sintonizzazione stazioni presintonizzate

- Le stazioni devono essere presintonizzate prima di poter eseguire questa operazione.

(Utilizzando l'unità di telecomando)

- Premiere il tasto TUNER/BAND.
- Selezionare la banda utilizzando il tasto TUNER/BAND.
- Presintonizzate le stazioni desiderate (No. 1-10, 11-15, 16-20).
- Il numero della stazione presintonizzata e la frequenza corrispondenti al tasto premuto vengono visualizzati.

Uso delle antenne (vedi pag. 6)

- FM:** Collegare l'antenna FM a piallina in dotazione.
- AM (MW/LW):** Regolare la posizione dell'antenna AM (MW/LW) ad anello.

Sistema dati radio (RDS)

Uso del sistema RDS (sistema dati radio) per ricevere stazioni FM.

Il sistema RDS permette alle stazioni FM di trasmettere segnali addizionali oltre ai normali segnali dei programmi regolari. Per esempio, le stazioni possono trasmettere il nome della stazione ed informazioni riguardanti il tipo di programma, come sport, musica, ecc. L'unità è in grado di ricevere i seguenti tipi di segnali RDS:

- PS (Servizio Programma): per i nomi di stazioni comunemente noti.
- PTY (Tipo di Programma): per il tipo di programma.
- RT (Testo Radio): per messaggi trasmessi dalla stazione.
- TA (Annuncio Traffico): per annunci sul traffico.



Frequency
Frecuencia
Frequenz

①

②

PTV / SEN SELECT
TUNER

BAND

↑

per ricercare un
codici PTY o TA:

③

Notes:

- If searching finishes at once, "PS", "PTY", and "RT" will not appear on the display.
- If you press the DISPLAY MODE button while listening to an AM (MW/LW) station, the display only shows station frequency.
- RDS is not available for AM (MW/LW) broadcast.

A, A, A, A, A and A.

Notas:

- Si la búsqueda termina súbitamente, "PS", "PTY" y "RT" no aparecerán en el visor.
- Si usted presiona el botón DISPLAY MODE mientras escucha una estación de AM (OM/OL), la indicación solo muestra la frecuencia de la estación.
- RDS no está disponible para radiodifusiones.

- El visor no puede mostrar letras acentuadas. Por ejemplo, "A" acentuada puede aparecer como "A, Á, A, A, Á, y Á".

RT - Frequenza stazione:
La frequenza della stazione (servizio non RDS).

Note:
Se la ricerca finisce immediatamente, le indicazioni "PS", "PTY" e "RT" non appaiono sul display.
Se si preme il tasto DISPLAY MODE mentre si ascolta una stazione AM (MW/LW), il display visualizza solo la frequenza della stazione.
Il sistema RDS non è disponibile per le trasmissioni AM (MW/LW).

Quando il display visualizza segnali "PS, PLY O RT:" il display visualizza solo lettere maiuscole. Il display non è in grado di visualizzare lettere accentate. Per esempio, la lettera "A" può rappresentare una qualsiasi delle "A" accentate come "À, Á, Â, Ã, Ä, Å."

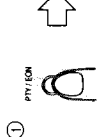
R	AAAA	K	U	UUU.	0
B	AAA	L	V	V	1
C	CC	M	W	W	2
D	DD	N	X	X	3
E	EEE	O	Y	Y	4
F	F	P	Z	ZZZ	5
G	G	Q			6
H	H	R	RR	RR	7
I	II	S	SSS	SSS	8
J	J	T	T	T	9

24

To temporarily switch to a broadcast programme of your choice
EON (Enhanced Other Networks) is another convenient RDS service that allows this unit to switch temporarily to a broadcast programme of your choice (NEWS, TA or INFO) from the listening station selected, except when you are listening to a station that is not a broadcast station or some FM stations.

- If an FM station does not broadcast EON information, EON cannot be activated.

To select a programme type



- 1 Press the EON button twice while listening to an FM station.
The display alternates between "EON" and "SELECT".
- 2 Select the programme type with the EON buttons (LEFT/RIGHT) buttons within 10 seconds.
The display shows a programme type in the following order:

TA: Traffic Announcement
NEWS: News
INFO: Programmes on medical service, weather forecast, etc.
OFF: EON disconnected

- 3 Press the EON button within 10 seconds after the display shows the programme type again to set the selected programme type. The selected programme type indicator lights up on the display, and the unit enters EON standby mode.

- The EON indicator lights up when tuned to a station which provides EON information.

Case 1: If there is no station broadcasting the type of programme you have selected
The broadcast station being currently heard will continue to be heard.

When a station starts broadcasting the programme type you have selected, the unit automatically switches to the station. The EON indicator starts blinking.

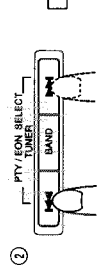
When the programme is over, this unit goes back to the currently selected station, but still remains in EON standby mode.

Case 2: If there is a station broadcasting the type of programme you have selected
This unit tunes to the station broadcasting the programme. The EON indicator starts blinking. When the programme is over, this unit goes back to the currently selected station, but remains in EON standby mode.

Per consultare temporaneamente un programma diverso
Il sistema EON (Potenzialmente Altra Rete) è un altro comodo servizio RDS che permette la trasmissione temporanea dell'unità su una trasmissione desiderata (NEWS, TA o INFO). L'EON non è attivata quando la banda è sintonizzata su una stazione selezionata e non si sta ascoltando una stazione RDS (come per le stazioni AM (MW/LW) ed alcune stazioni FM).

- Se una stazione FM non trasmette informazioni EON, la funzione EON non può essere attivata.

Per selezionare un tipo di programma



- 1 Premere due volte il tasto EON mentre si ascolta una stazione FM.
Il display alterna tra "EON" e "SELECT".
- 2 Selezionare il tipo di programma con i bottoni EON SELECT (SINISTRA/DESTRA) entro i 10 secondi.
La indicazione mostra il tipo di programma in seguente ordine:

TA: Annuncio di traffico
NEWS: Notizie
INFO: Programmi su servizi sanitari, pronostico del tempo, ecc.
OFF: Funzione EON disattivata

- 3 Premere nuovamente il tasto EON entro 10 secondi dopo che il display mostra il tipo di programma selezionato. Si accenderà la indicazione del tipo di programma selezionato e l'unità entrerà in modalità standby EON.

- La luce indicatore EON si accende quando si sintonizza su una stazione che fornisce informazioni EON.

Case 1: Se non vi è alcuna stazione che trasmetta il tipo di programma selezionato
Si continuerà ad udire la stazione attualmente ricevuta.

Quando una stazione comincia la trasmissione del programma che avete selezionato, l'unità viene automaticamente sintonizzata sulla stazione. L'indicatore EON inizia a lampeggiare.

Quando il programma termina, l'unità ritorna alla stazione attualmente selezionata, ma rimane in modalità standby EON.

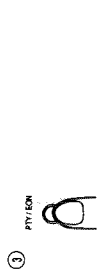
Case 2: Se vi è una stazione che trasmette il tipo di programma selezionato
L'unità si sintonizza sulla stazione che trasmette tale programma. L'indicatore EON inizia a lampeggiare. Quando il programma termina, l'unità ritorna alla stazione attualmente selezionata, ma rimane in modalità di attesa EON.

Quando il programma termina, l'unità ritorna alla stazione attualmente selezionata, ma rimane in modalità di attesa EON.

Per ricevere temporaneamente un programma diverso
Il sistema EON (Potenzialmente Altra Rete) è un altro comodo servizio RDS che permette la trasmissione temporanea dell'unità su una trasmissione desiderata (NEWS, TA o INFO). L'EON non è attivata quando la banda è sintonizzata su una stazione selezionata e non si sta ascoltando una stazione RDS (come per le stazioni AM (MW/LW) ed alcune stazioni FM).

- Se una stazione FM non trasmette informazioni EON, la funzione EON non può essere attivata.

Per selezionare un tipo di programma



- 1 Premere due volte il tasto EON mentre si ascolta una stazione FM.
Il display alterna tra "EON" e "SELECT".
- 2 Selezionare il tipo di programma con i bottoni EON SELECT (SINISTRA/DESTRA) entro i 10 secondi.
Il display visualizza i tipi di programma nell'ordine seguente:

TA: Annunci sul traffico
NEWS: Notizie
INFO: Programmi su servizi sanitari, previsioni del tempo, ecc.
OFF: Funzione EON disattivata

- 3 Premere nuovamente il tasto EON entro 10 secondi dopo che il display mostra il tipo di programma selezionato. Si accenderà la indicazione del tipo di programma selezionato e l'unità entrerà in modalità standby EON.

- L'indicatore EON si illumina quando ci si sintonizza su una stazione che fornisce informazioni EON.

Case 1: Se non vi è alcuna stazione che trasmetta il tipo di programma selezionato
Si continuerà ad udire la stazione attualmente ricevuta.

Quando una stazione inizia la trasmissione del programma che avete selezionato, l'unità viene automaticamente sintonizzata sulla stazione. L'indicatore EON inizia a lampeggiare.

Quando il programma termina, l'unità ritorna alla stazione attualmente selezionata, ma rimane in modalità di attesa EON.

Case 2: Se vi è una stazione che trasmette il tipo di programma selezionato
L'unità si sintonizza sulla stazione che trasmette tale programma. L'indicatore EON inizia a lampeggiare. Quando il programma termina, l'unità ritorna alla stazione attualmente selezionata, ma rimane in modalità di attesa EON.

Quando il programma termina, l'unità ritorna alla stazione attualmente selezionata, ma rimane in modalità di attesa EON.

Note:

- Se l'EON è in standby mode and the function (CD, TAPE/AUX) switch is changed or the power is switched off, then the EON mode will be released. When the band is set to AM (MW/LW), the EON is not activated. When the band is set to FM again, the EON will be set to standby mode.
- EON is only available when the selected programme type is being received from the broadcast station and the DISPLAY MODE or Tuning UP/DOWN (UP/DOWN) button is pressed, the station will not switch back to the current selected station even after the programme ends. The programme type indicator remains in the display, indicating that the EON is in standby mode.
- When the EON is in standby mode and a radio is connected to the unit, the radio will be connected to the unit because the EON may be activated and a different programme than the intended one may be recorded. When the EON mode is not required, release the EON mode.
- When the alarm signal is detected by EON, the station broadcasting the alarm is received with priority, at which time the EON indicator blinks; "ALARM" is not displayed.

Caution:

- When the sound alternates intermittently between the station tuned in by the EON function and the current selected station, cancel the EON mode. This does not constitute malfunction of the unit.

Notes:

- Si EON está en el modo de espera y el conmutador de función (CD, TAPE/AUX) es cambiado o se desconecta la alimentación, el modo EON es desactivado. Cuando la banda es sintonizada en AM (OMOL), EON no se activa. Cuando la banda es sintonizada en FM otra vez, EON se activa en el modo de espera.
- EON solo está disponible cuando el tipo de programa seleccionado está siendo recibido desde una estación radiomóvil, y si se presiona DISPLAY MODE o el botón de sintonización UP/DOWN (SINISTRA/DESTRA), la estación no regresará a la estación seleccionada actualmente aun cuando el programa termine. El indicador de tipo de programa permanece en el visor, indicando que el EON está en modo de espera.
- Cuando EON está en modo de espera y se está grabando en una grabadora, el EON puede ser activado y grabar un programa diferente que el que se planea grabar. Cuando no es necesario usar el modo EON, desactive el modo EON.
- Cuando la señal de alarma es detectada por EON, la estación emitiendo la alarma es recibida con prioridad, en el momento en que esto sucede, el indicador EON parpadeará. "ALARM" no es indicada.

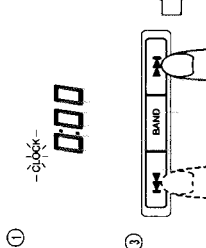
Precaución:

- Cuando el sonido alterna intermitentemente entre la estación sintonizada por medio de la función EON y la estación actualmente seleccionada, desactive el modo EON. Esto no es una falla de la unidad.

CLOCK ADJUSTMENT

Setting the current time (when this unit is used for the first time)

- (Example: To set the clock to 13:15.)

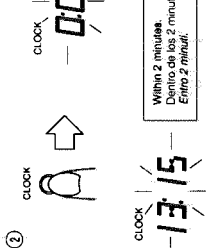


- 1 Connect the AC power cord; "CLOCK" will blink in the display.
- 2 Press the CLOCK button for 2 sec. or more; "0:00" will blink in the display.
- 3 Set to 13:15 by pressing the UP/DOWN buttons.
- 4 When the button is kept pressed, the minute/ hour indication changes continuously.
- 5 Press the CLOCK button; the time will light in the display.
- 6 Press the CLOCK button when you hear the time signal from a TV or radio.

AJUSTE DEL RELOJ

Ajuste de la hora actual (cuando se usa la unidad por primera vez)

- (Ejemplo: Para ajustar el reloj a las 13:15.)

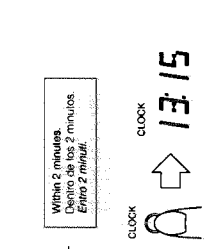


- 1 Conecte el cordón de CA; "CLOCK" parpadeará en la visor.
- 2 Presione el botón CLOCK durante 2 segundos o más; "0:00" parpadeará en el visor.
- 3 Ajuste a las 13:15 presionando los botones UP/DOWN.
- 4 Si se mantiene el botón presionado, la indicación de la hora/minutos cambia continuamente.
- 5 Presione el botón CLOCK; la hora se iluminará en el visor.
- 6 Presione el botón CLOCK en correspondencia con una señal horaria de la televisión o la radio.

REGOLAZIONE OROLOGIO

Impostazione dell'orario corrente (quando l'unità viene usata per la prima volta)

- (Esempio: Per regolare l'orologio sulle 13:15.)



- 1 Collegare il cavo di alimentazione. L'indicazione "CLOCK" lampeggia sul display.
- 2 Premere il tasto CLOCK per 2 secondi o più; l'indicazione "0:00" lampeggia sul display.
- 3 Impostare 13:15 premendo i tasti SINISTRA/DESTRA.
- 4 Quando il tasto viene tenuto premuto, l'indicazione dei minuti/ore cambia continuamente.
- 5 Premere il tasto CLOCK; l'orario si illumina sul display.
- 6 Per impostare l'ora esatta, premere il tasto CLOCK in corrispondenza di una segnalazione oraria della televisione o della radio.

5 Set the volume.

6 Adjust the volume.

7 Regulate the volume.

When the **VOL** button is used to select the volume, the volume level is selected. When the **VOL** button is used to select the volume, the volume level is selected.

This shows when volume level 1 is selected. This shows when volume level 1 is selected.

Indica se il livello di volume 1 è stato scelto. Indica se il livello di volume 1 è stato scelto.

8 The unit enters the previously engaged mode and timer setting has been completed.

9 La unidad ingresa en el modo previamente activado y el ajuste del temporizador queda completado.

10 L'unità entra nel modo precedentemente attivato e l'impostazione del timer è così terminata.

11 The selected volume is set.

12 Viene scelto il livello di volume.

13 Se il volume viene regolato su "VOL -" (volume non specificato), il volume di riproduzione via timer viene portato automaticamente al livello di prima dell'attivazione del timer stesso.

14 To confirm the timer setting

15 Cada vez que presiona el botón **TIMER/SNOOZE**, es posible confirmar el ajuste del temporizador.

16 Quando si preme il tasto **TIMER/SNOOZE**, è possibile controllare l'impostazione del timer.

17 When the timer is set incorrectly or the correct mode is not selected, perform "Setting the timer" from the beginning.

18 Quando il timer viene impostato in modo scorretto oppure quando il modo corretto non viene selezionato, eseguire quanto descritto nella sezione "Impostazione del timer".

19 Reproduction of CDs or broadcasts is possible.

20 La riproduzione per temporizador de CD o de radiodifusión es posible.

21 Riproduzione col timer

22 Set the POWER button to ON.

23 Coloque el botón **POWER** en ON.

24 Impostare il tasto **POWER** su ON.

25 Set the timer.

26 Ajuste el temporizador.

27 Impostare il timer.

28 Switch the power off.

29 Desconecte la alimentación.

30 Spegnere il sistema.

Source sound	Timer mode	Operations
Fuente de sonido	Modo de temporizador	Operaciones
Roma sonora	Modo di funzionamento	Operazioni
CD play	CD	Load a CD.
Reproducción de CD	CD	Coleque un CD.
Riproduzione CD	CD	Inserire un CD.
Broadcast	TUNER	Tune to the required station.
Radiodiffusión	TUNER	Sintonice la estación deseada.
Trasmisión radio	TUNER	Mettete in sintonia la stazione desiderata.

1 Para confirmar la hora actual (cuando la alimentación está conectada ON).

2 Presione el botón **CLOCK**. Cuando el tasto viene premuto nuevamente, el display indica el modo precedentemente activado.

3 Antes de efectuar la reproducción por temporizador, es necesario ajustar la hora actual.

4 Si recomienda ajustar la hora actual con el botón **POWER** colocado en **STANDBY** para conservar el modo de indicación actual.

5 Cuando se conecta el cordón de alimentación después de haberlo desconectado o cuando vuelve la energía después de un corte de la misma, el reloj se mostrará en el visor. Ajuste otra vez la hora actual.

6 Presione el botón **TIMER/SNOOZE**.

7 Presione el botón **TIMER/SNOOZE**.

8 Ajuste el tiempo de inicio.

9 (Ejemplo: Para ajustar el temporizador a las 12:15).

10 Ajuste la hora de parada.

11 (Ejemplo: Para ajustar la hora de parada del temporizador a las 13:15).

12 Seleccione el modo **TIMER**.

13 El modo de temporizador seleccionado aparece en la indicación.

14 Seleccione el modo **TIMER**.

15 El modo de temporizador seleccionado aparece en la indicación.

16 Seleccione el modo **TIMER**.

17 El modo de temporizador seleccionado aparece en la indicación.

18 Seleccione el modo **TIMER**.

19 El modo de temporizador seleccionado aparece en la indicación.

20 Seleccione el modo **TIMER**.

21 El modo de temporizador seleccionado aparece en la indicación.

22 Seleccione el modo **TIMER**.

23 El modo de temporizador seleccionado aparece en la indicación.

24 Seleccione el modo **TIMER**.

25 El modo de temporizador seleccionado aparece en la indicación.

1 Para confirmar la hora actual (cuando la alimentación está conectada ON).

2 Presione el botón **CLOCK**. Cuando el tasto viene premuto nuevamente, el display indica el modo precedentemente activado.

3 Antes de efectuar la reproducción por temporizador, es necesario ajustar la hora actual.

4 Si recomienda ajustar la hora actual con el botón **POWER** colocado en **STANDBY** para conservar el modo de indicación actual.

5 Cuando se conecta el cordón de alimentación después de haberlo desconectado o cuando vuelve la energía después de un corte de la misma, el reloj se mostrará en el visor. Ajuste otra vez la hora actual.

6 Presione el botón **TIMER/SNOOZE**.

7 Presione el botón **TIMER/SNOOZE**.

8 Ajuste el tiempo de inicio.

9 (Ejemplo: Para ajustar el temporizador a las 12:15).

10 Ajuste la hora de parada.

11 (Ejemplo: Para ajustar la hora de parada del temporizador a las 13:15).

12 Seleccione el modo **TIMER**.

13 El modo de temporizador seleccionado aparece en la indicación.

14 Seleccione el modo **TIMER**.

15 El modo de temporizador seleccionado aparece en la indicación.

16 Seleccione el modo **TIMER**.

17 El modo de temporizador seleccionado aparece en la indicación.

18 Seleccione el modo **TIMER**.

19 El modo de temporizador seleccionado aparece en la indicación.

20 Seleccione el modo **TIMER**.

21 El modo de temporizador seleccionado aparece en la indicación.

22 Seleccione el modo **TIMER**.

23 El modo de temporizador seleccionado aparece en la indicación.

24 Seleccione el modo **TIMER**.

25 El modo de temporizador seleccionado aparece en la indicación.

Operaciones del temporizador de desconexión

A. Use este método cuando desee dormir mientras escucha un programa de radio o un CD.

- 1 Ubique la fuente deseada y sintonice (radiodifusión) o reconecte el CD.
- 2 Presione el botón SLEEP para ajustar la hora a la que desea desconectar.



Source mode display (Releasing the sleep mode)

Visualización del modo de fuente (Cancelación del modo de desconexión)

- El temporizador despertador puede ser ajustado en 30, 60, 90 o 120 minutos. Cuando usted suelta el botón SLEEP, la fuente es indicada durante 5 seg.
- Después de transcurrido el tiempo especificado se activa el temporizador de desconexión y la alimentación es desconectada.

B. Para dormir mientras escucha una radiodifusión o un CD y efectuar la reproducción por temporizador la mañana siguiente

- 1 Ajuste el temporizador. (Reférase a "Ajuste del temporizador" en la página 27).
- 2 Ajuste la fuente deseada (radiodifusión o CD).
- 3 Presione el botón SLEEP para ajustar la hora de desconexión del temporizador.

Controllo del tiempo especificado
Cuando el botón SLEEP es presionado, el tiempo especificado para la reproducción de la mañana siguiente se visualiza. Si lo presiona otra vez, el tiempo especificado se cancela y se reinicia el tiempo para la reproducción de la mañana siguiente.

Per cancelar lo apagamiento automático
Presione el botón POWER para desconectar la alimentación o presione el botón SLEEP hasta que el indicador del tiempo para dormir desaparece.



Source mode display (Releasing sleep mode)

Visualización del modo de fuente (Cancelación del modo de desconexión)

- El posible seleccionar cualquier fuente para la operación del temporizador despertador y la reproducción por temporizador. Por ejemplo:
 - La reproducción de CD para la operación del temporizador despertador y la recepción de radiodifusión para la reproducción por temporizador.

Comunque, cuando se selecciona la recepción de una transmisión radio sea por lo apagamiento automático que para la reproducción del timer, la misma estación recibirá la mañana siguiente.

Sin embargo, cuando selecciona la recepción de una radiodifusión para la operación del temporizador despertador y para la reproducción por temporizador, la radiodifusión que usted escuchó durante la noche será sintonizada la mañana siguiente.

Sleep timer operations

A. Use this when you want to fall asleep while listening to a broadcast or CD.

- 1 Set to the required source and tune (broadcast or CD).
- 2 Press the SLEEP button to set the sleep time.



SLEEP is shown in the display. Sa visualización SLEEP en el display. Indicador SLEEP viene visualizada en el display.

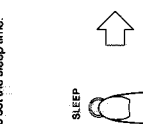
- Sleep time settings of 30, 60, 90 or 120 minutes can be set. When you release the SLEEP button, the source is displayed after 5 sec.
- The sleep timer operation will start and the power will be switched off after the specified time.

Checking the sleep time
When the SLEEP button is pressed, the remaining sleep time is displayed. If it is pressed again, a new sleep time can be set.

To cancel the sleep timer operation
Press the POWER button to switch the power off or press the SLEEP button until the sleep time indicator disappears.

B. To fall asleep while listening to a broadcast or CD and to perform timer playback the following morning

- 1 Set the timer. (Refer to "Setting the timer" on page 27.)
- 2 Set to the required source (broadcast or CD).
- 3 Press the SLEEP button to set the sleep time.



SLEEP

- Any source can be selected for sleep timer operation and timer playback. For example,
 - CD play for sleep timer operation and broadcast reception for timer playback.

However, when broadcast reception is selected for both sleep timer operation and timer playback, the station you heard at night will be tuned to the following morning.

- La reproducción por temporizador se iniciará a la hora de activación del temporizador y la alimentación se desconecta a la hora de desactivación del temporizador.
- La unidad permanece en el mismo modo de temporizador, aun cuando después de la función de temporización se reapera a la misma hora el día siguiente.
- Cuando se conecta la alimentación es posible hacer que el sonido aumente gradualmente desde el volumen 0 (cero) al volumen actual.

Per cancelare il funzionamento del timer
Premere il tasto TIMER/SNOOZE in modo che l'indicatore del modo del timer (S) si spenga.

Note:

- Quando l'impostazione del volume è "VOL-" (il livello del volume non è stato specificato), il volume della riproduzione col timer viene impostato come prima dell'impostazione del timer.
- Per interrompere il funzionamento durante la riproduzione col timer, premere l'interruttore POWER per interrompere l'alimentazione.

Per dormire altri 5 minuti....
Quando la riproduzione col timer inizia, premere il tasto TIMER/SNOOZE. L'alimentazione viene disattivata e la riproduzione per temporizzatore riprende. (Quando questo modo è attivato, l'indicatore corrispondente si illumina).



TIMER/SNOOZE

Note:
Quando la riproduzione col timer è attivata, la pressione del tasto TIMER/SNOOZE entro 5 minuti dall'orario di spegnimento del timer causa la disattivazione dell'alimentazione ma la riproduzione col timer non riprende. (Esempio: Quando l'orario di spegnimento del timer è impostato sulle 7:30, tali cinque minuti sono compresi tra le 7:25 e le 7:30).

- La reproducción por temporizador se iniciará a la hora de activación del temporizador y la alimentación se desconecta a la hora de desactivación del temporizador.
- La unidad permanece en el mismo modo de temporizador, aun cuando después de la función de temporización se reapera a la misma hora el día siguiente.
- Cuando se conecta la alimentación es posible hacer que el sonido aumente gradualmente desde el volumen 0 (cero) al volumen actual.

Cancelación de la operación por temporizador
Presione el botón TIMER/SNOOZE para que se apague la indicación (S).

Notes:

- Cuando se ajusta el volumen en "VOL-" (el nivel de volumen no está especificado), el volumen de reproducción por temporizador permanece en el nivel usado antes del ajuste del temporizador.
- Para parar durante la reproducción por temporizador, presione el botón POWER para desconectar la unidad.

Para dormir 5 minutos más....
Cuando se activa la reproducción por temporizador, presione el botón TIMER/SNOOZE. La alimentación se desconecta y la reproducción por temporizador continúa 5 minutos después. (Mientras el modo de despertador está activado, el indicador correspondiente está encendido).



TIMER/SNOOZE

Note:
Mientras la reproducción por temporizador está activada, el presionar el botón TIMER/SNOOZE dentro de los 5 minutos restantes para la desactivación del temporizador, desconecta la alimentación, pero la reproducción por temporizador no se reinicia. (Ejemplo: Cuando el tiempo de apagamiento del temporizador en 7:30, esos 5 minutos van de las 7:25 a las 7:30).

- Timer playback will start at the timer start time and the power will be switched off at the timer stop time.
- The unit remains in the same timer mode when the power is switched off. The same timer function will repeat at the same time on the following day.
- When the power is switched on, it is possible to fade in the sound from volume level 0 (zero) to the preset volume.
- To cancel timer operation
Press the TIMER/SNOOZE button so that the timer mode indicator (S) goes out.

Notes:

- When the volume setting is set to "VOL-" (volume level is not specified), the playback volume is set to the level used before setting the timer.
- To stop during timer playback, press the POWER button to switch the unit off.

To get an extra 5 minutes of sleep....
When timer playback starts, press the TIMER/SNOOZE button. The timer playback restarts after 5 minutes. (While the snooze mode is activated, the snooze indicator lights.)

Note:
While timer playback is engaged, pressing the TIMER/SNOOZE button within 5 minutes to the timer stop time switches the power off but timer playback does not restart. (Example: When the timer stop time is set to 7:30, those 5 minutes are from 7:25 to 7:30.)

4. Location of Main Parts

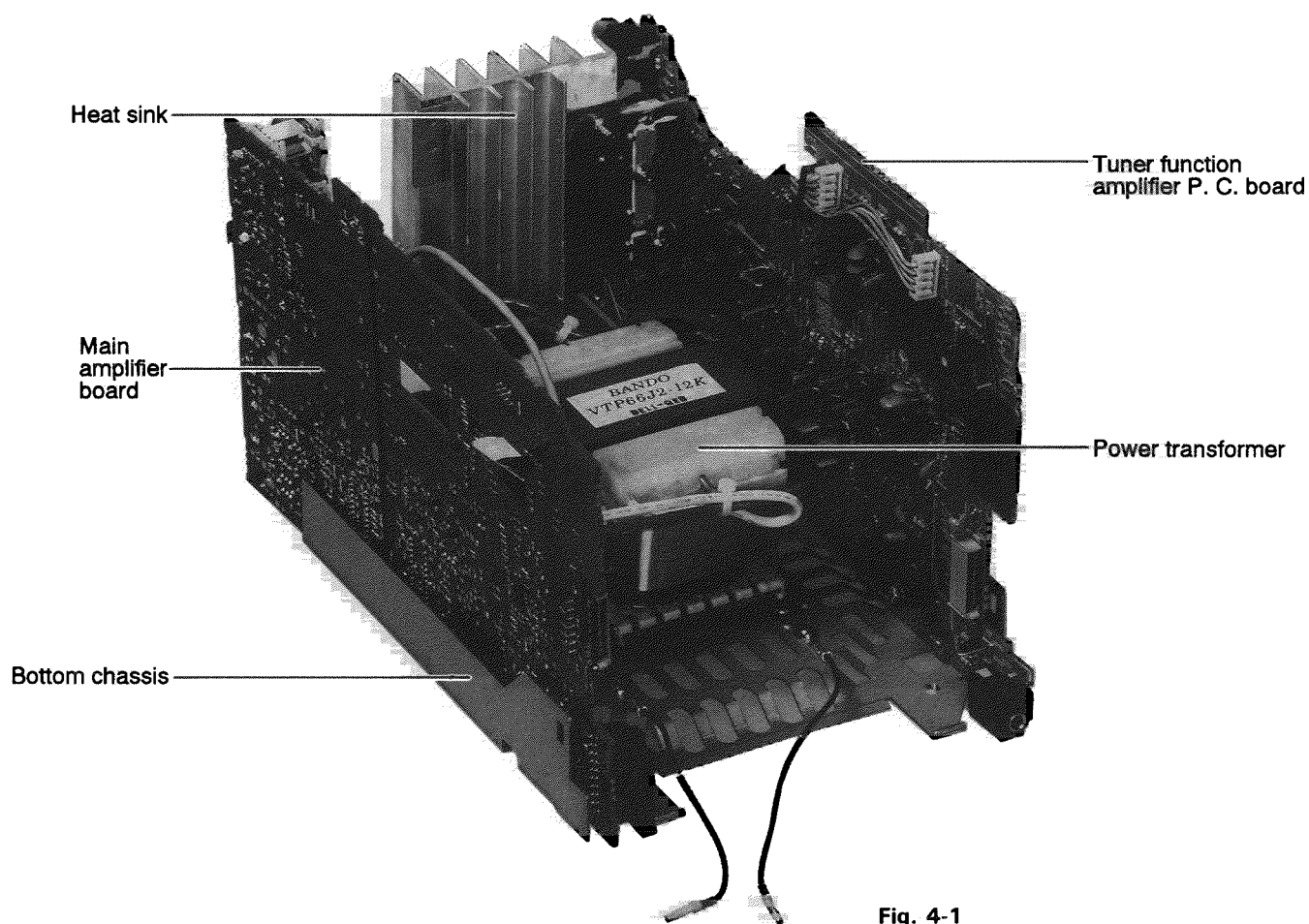


Fig. 4-1

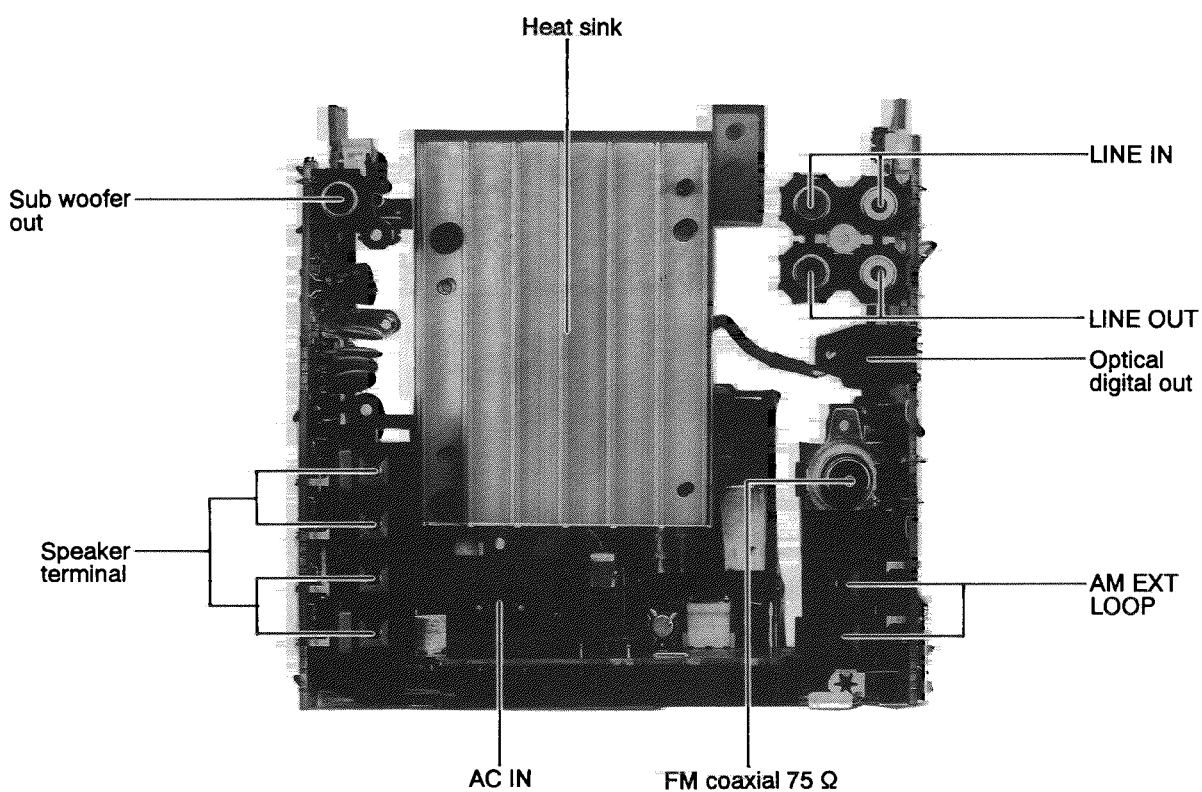
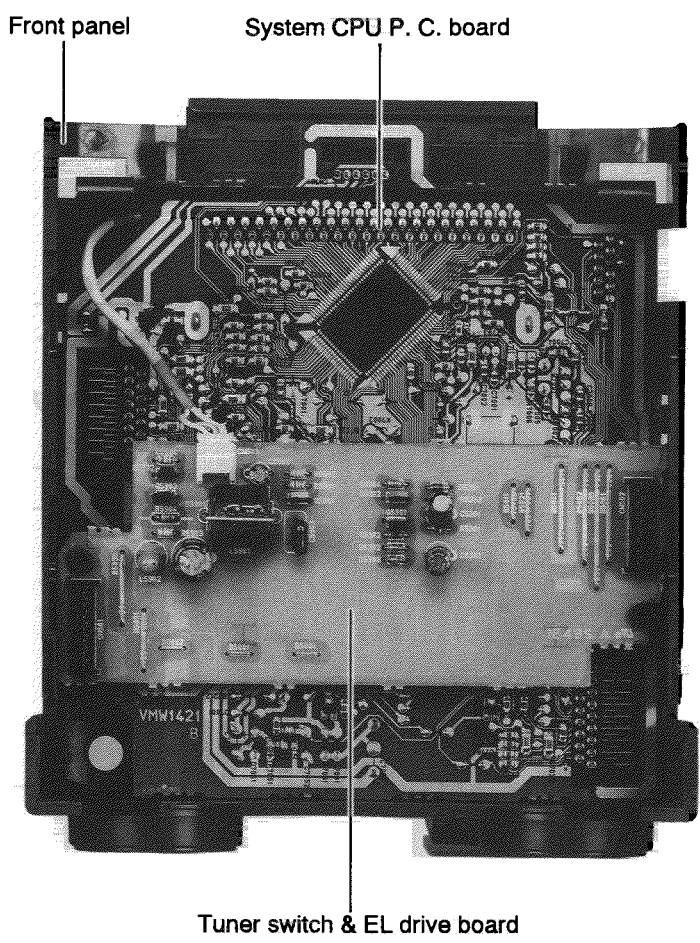
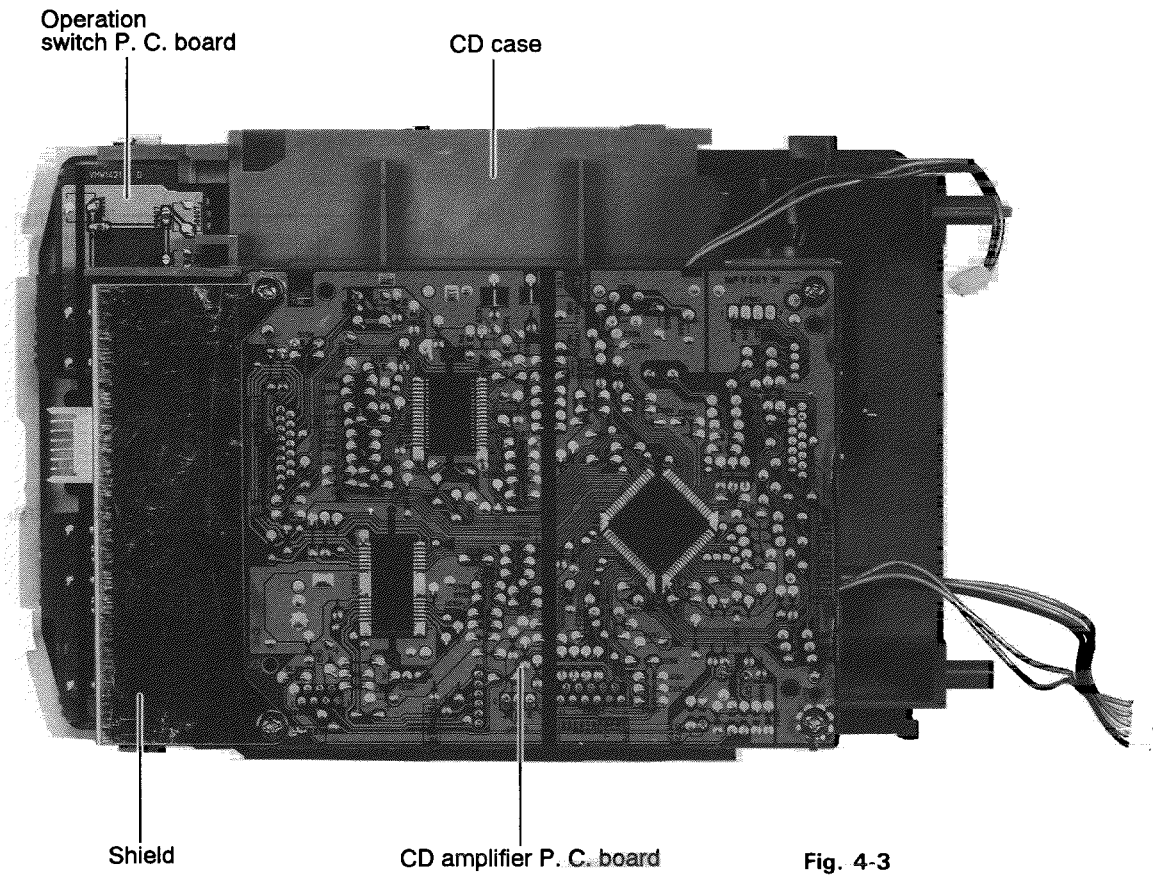


Fig. 4-2



5. Removal of Main Parts

■ Removing the rear cover and side panel (See Figs. 5-1~5-4)

1. • Remove the six screws ① retaining the rear cover from behind the body.
• From the bottom face of the body, remove the four screws ② retaining the rear cover.
• After passing the lock pawls at the speaker terminals through the position in Fig. 5-1, remove the rear cover.
2. • Remove the two screws ③ retaining both of the right and left side panels.
• By moving the side panels (right and left sides) while pulling out the panels toward the rear side, disengage the upper two engagement sections, and dismount the panels while expanding them toward the front side.

※ For assembling (the rear cover and side panels), mount the upper two engagement sections while aligning the same in place at first, and assemble the rear cover and side panels while plugging (the cover and panels) toward the front side.

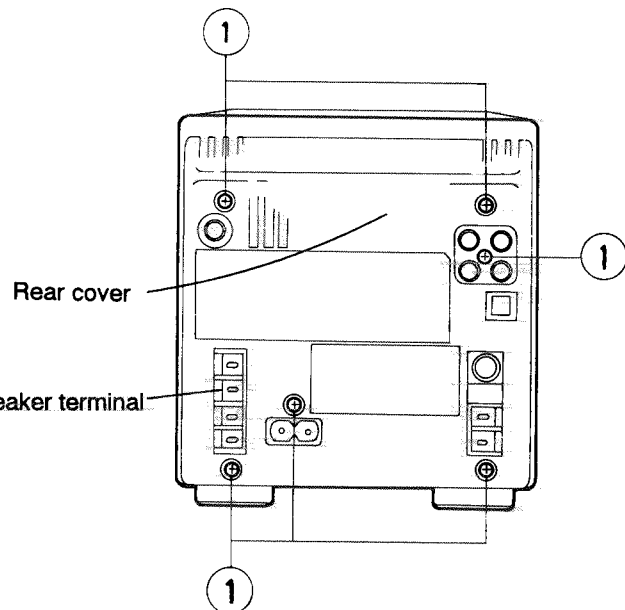


Fig. 5-1

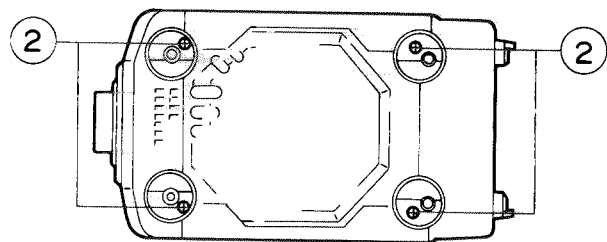


Fig. 5-2

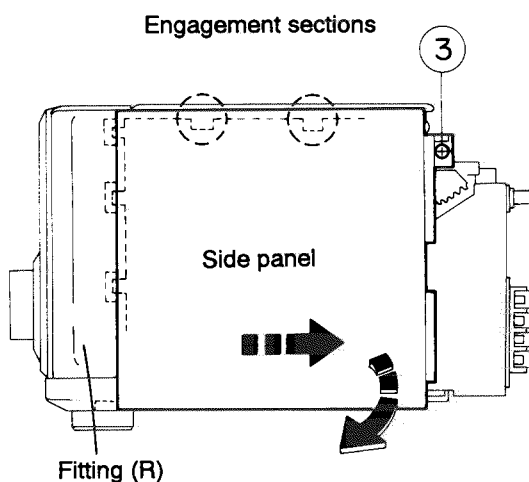


Fig. 5-3

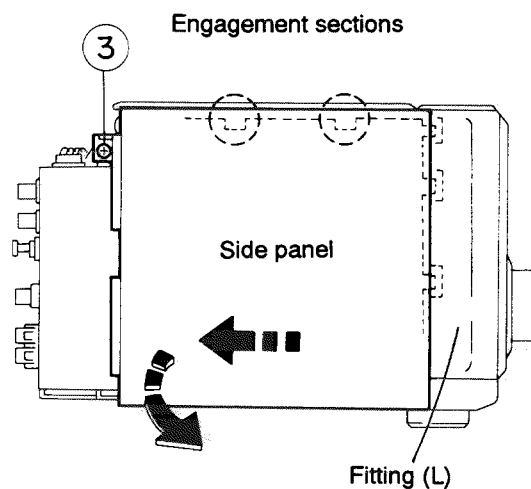


Fig. 5-4

Removing the CD player assembly

(See Figs. 5-5-5-7)

1. Remove the rear cover from behind the body.
2. Remove the side panels and fittings (L and R).
3. After removing the three screws ④ from behind the body, dismount the heat sink.
4.
 - From the side of the body, remove the two screws ⑤ retaining the CD player assembly.
 - Remove the one screw ⑥ retaining the tuner function amplifier P.C. board.
 - Remove the connector wires from the connectors CN643 and CN635 on the tuner function amplifier P.C. board, and then remove the card wires connected to the connector CN631 CD amplifier P.C. board.
 - Remove the connector wire from the connector CN301 on the main board.
5. Remove the CD player while pulling it out toward the rear side.

Then, the connector CN801 connected to the connector CN781 on the LCD microcomputer P.C. board of the front assembly will be disconnected at the same time.

※ To ensure easy assembly of the CD player assembly, temporarily remove the tuner function amplifier P.C. board, and after mounting the CD player assembly, assemble the tuner function amplifier P.C. board.

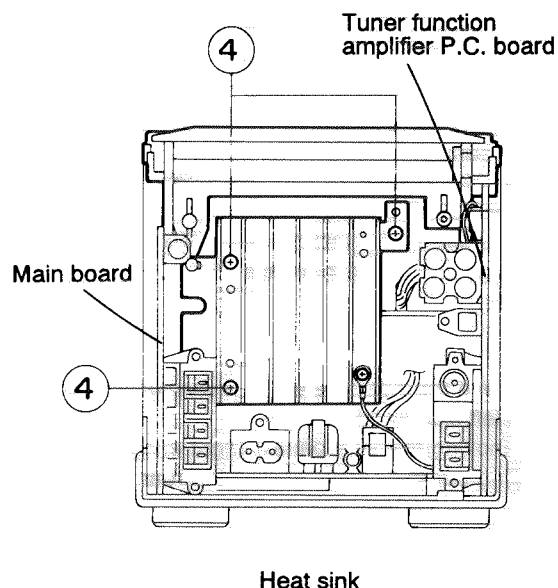


Fig. 5-5

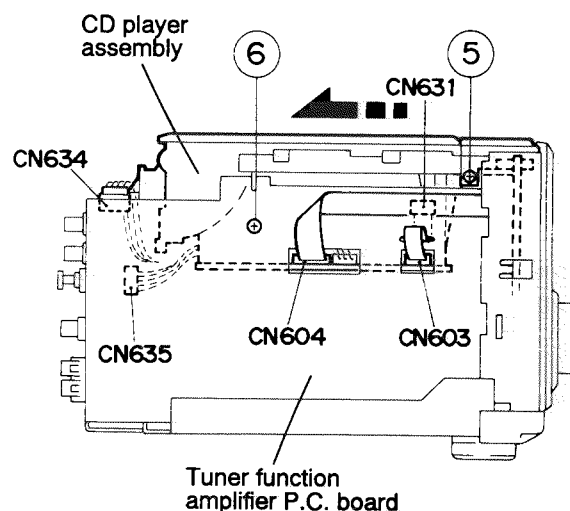


Fig. 5-6

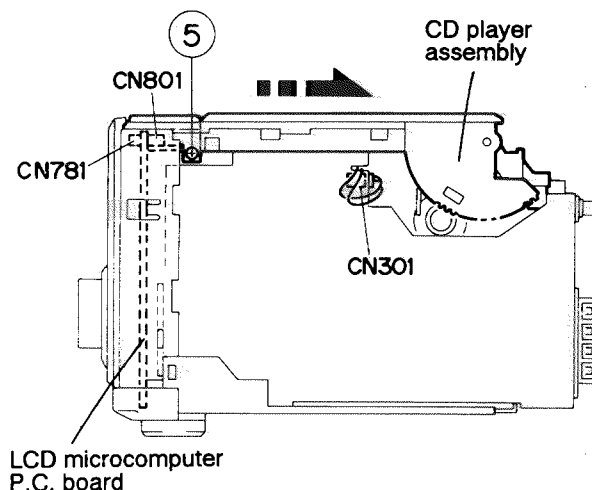


Fig. 5-7

Removing the CD player section

(See Figs. 5-8~5-13)

1. Remove the CD player assembly.
2. Removing the CD amplifier assembly
 - Remove the two screws ⑦ retaining the shield.
 - Remove the remaining two screws retaining the CD amplifier P.C. board.
 - Remove the card wire from the connector CN602 on the CD amplifier P.C. board connected to the CD mechanism, and also the card wire from the connector CN601.
3. Removing the CD mechanism assembly
 - Remove the four screws ⑧ retaining the CD motor drive P.C. board.
4. Removing the CD motor drive P.C. board
 - Remove the two screws ⑨ retaining the CD motor drive P.C. board.
 - After disengaging the belt from the motor pulley, remove the CD motor drive P.C. board.
5. Removing the CD door assembly
 - Disengage the two engagement sections on both the right and left sides of the CD door while expanding the sections outward.
6. Removing the operation switch P.C. board
 - Remove the top panel while expanding the right and left side pawls outward.
 - Remove the operation switch P.C. board upward.

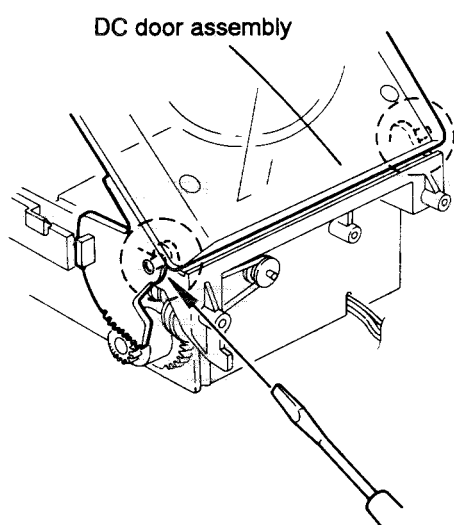


Fig. 5-10

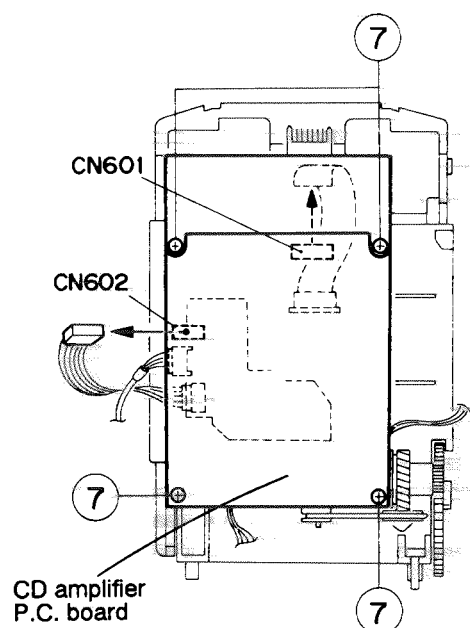


Fig. 5-8

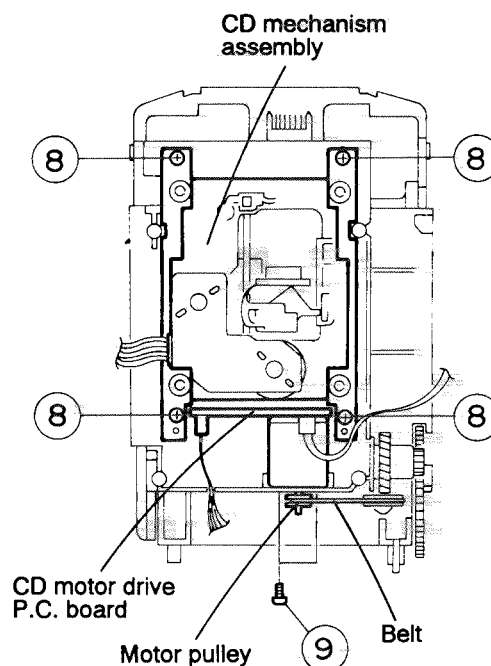


Fig. 5-9

■ Removing the tuner function amplifier P.C. board (See Figs. 5-14~5-16)

- Remove the connectors CN633 and CN632 on the tuner function amplifier P.C. board by pulling them out respectively from the front assembly.
- Remove the card wire from the post pin W6001 on the tuner function amplifier P.C. board.

■ Removing the main board

1. Remove the earth wire from the post pin CN531 on the main board.
2. Disconnect the main connector CN300 on the main board connected to the power supply P.C. board while expanding the main board outward.
3. Disconnect the connectors CN302 and CN303 on the main board toward the rear side by pulling the connectors out from the front assembly.

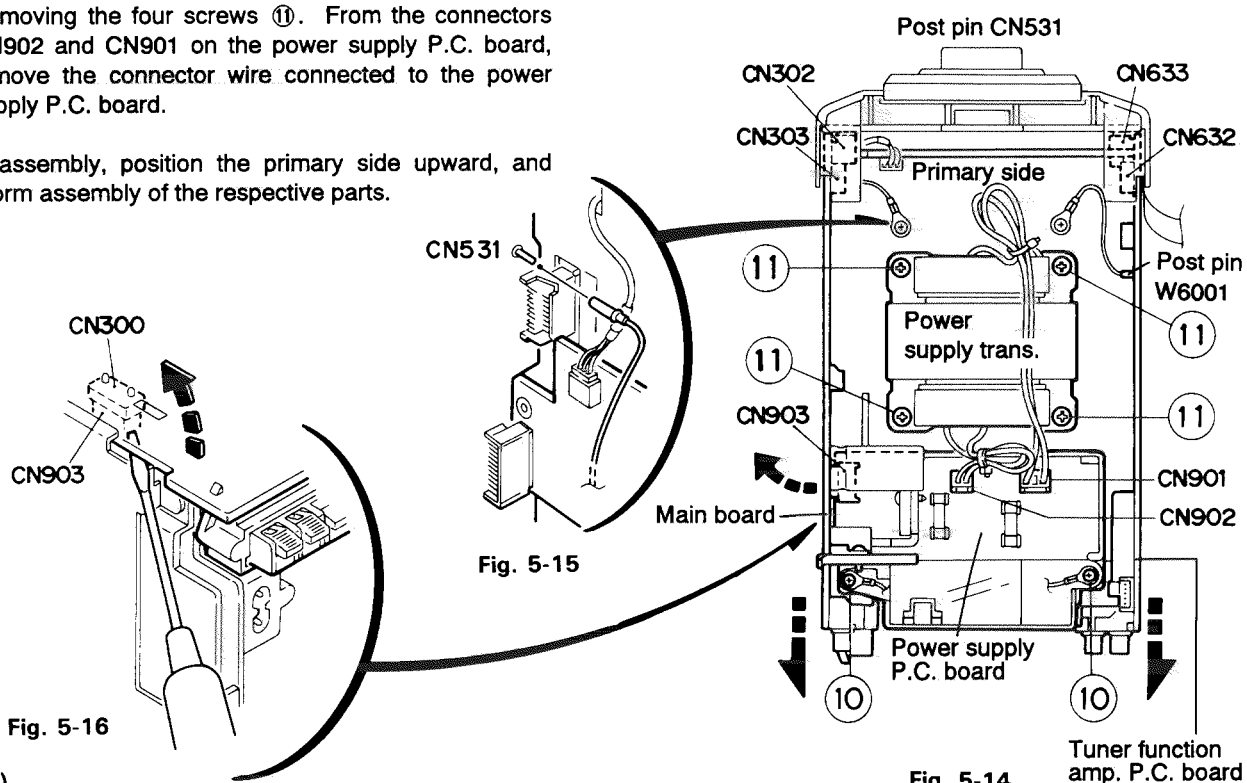
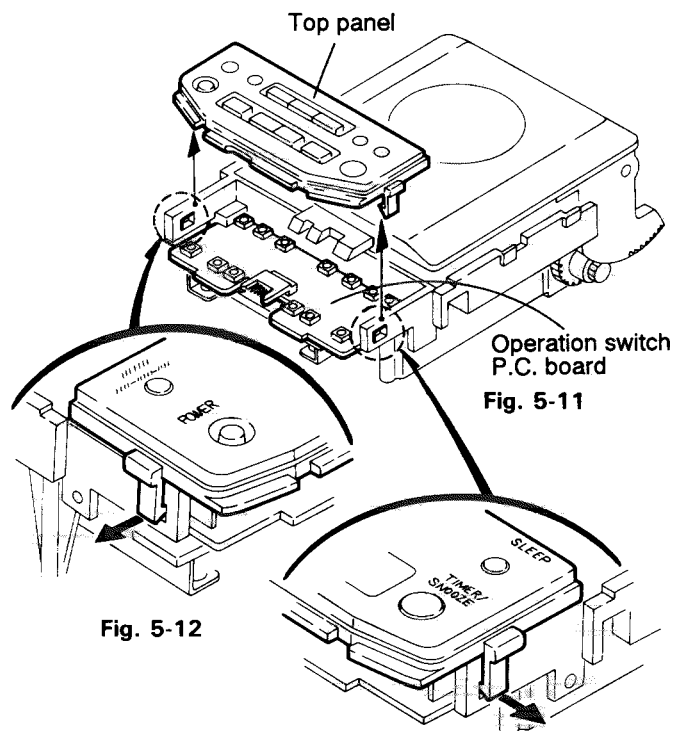
■ Removing the power supply P.C. board

1. After removing the two screws ⑩, disconnect the connector CN903 on the power supply P.C. board connected to the main board.
2. From the connectors CN902 and CN901, remove the connector wires outgoing from the power supply transformer.
3. While disengaging the power supply P.C. board and holder engagement, remove the power supply P.C. board.

■ Removing the power supply transformer assembly

- Removing the four screws ⑪. From the connectors CN902 and CN901 on the power supply P.C. board, remove the connector wire connected to the power supply transformer.

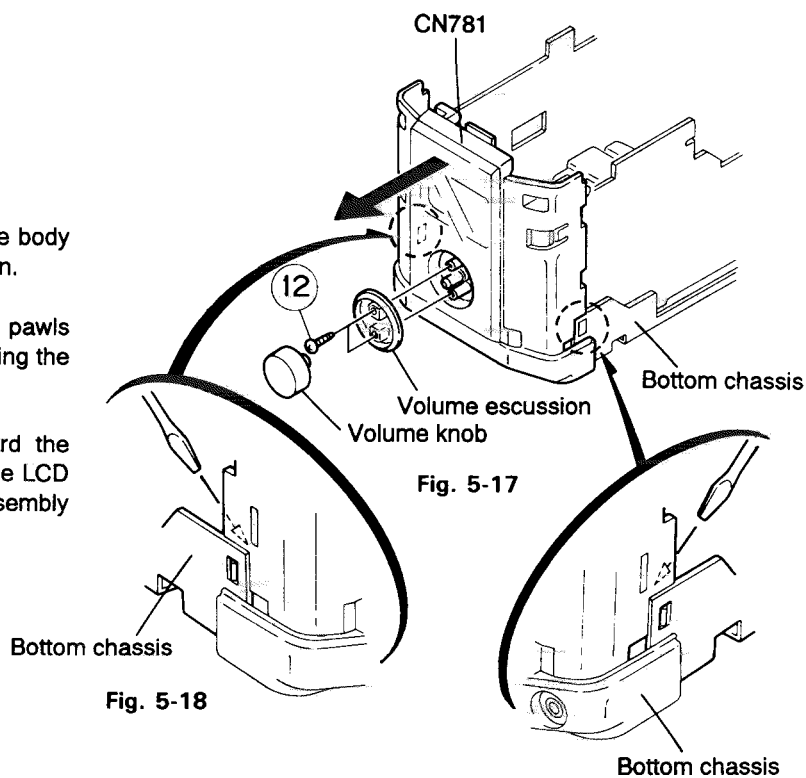
※ For assembly, position the primary side upward, and perform assembly of the respective parts.



■ Removing the front assembly

(See Figs. 5-17~5-19)

1. Remove the rear cover from behind the body.
2. Dismount the CD player assembly.
3. Remove the side panels and fittings (L and R).
4. After removing the knob from the front face of the body and two screws ⑫, dismount the volume escusion.
5. By using a driver and other tool, remove the two pawls provided on both the right and left sides for engaging the front assembly and bottom chassis.
6. After removing the front panel assembly toward the front side, disconnect the connector CN781 on the LCD microcomputer P.C. board from the CD player assembly at the same time.



■ **Removing the tuner switch EL driver P.C. board and microcomputer P.C. board** (See Figs. 5-20 and 5-21)

1. • While expanding the engagement sections (a) and (b) with the front cabinet, remove the tuner switch EL driver P.C. board.
 • Remove the connector wire from the connector CN503 connected to the LCD microcomputer P.C. board.
2. • Remove the one screws (13).
 • While expanding the engagement sections (c) and (d) with the front cabinet to outside, remove the LCD microcomputer assembly.

● **Assembly method**

1. Insert the power supply P.C. board into the engagement section of the power supply P.C. board holder, assemble the power supply P.C. board on the bottom chassis together with the power supply P.C. board holder.
2. Subsequent to mounting the power supply transformer, the secondary side connector wire outgoing from the power supply transformer and the primary side connector wire on the power supply P.C. board should be connected respectively to the connectors CN902 and CN901 on the power supply P.C. board.
3. Connect the connector CN300 on the main board to CN903 on the power supply board, and assembly the main board on the bottom chassis.
4. Engage the front assembly exactly to the pawl at the engagement section of the bottom chassis, and connect the connectors CN302 and CN303 on the the main board respectively to the connector CN711 on the LCD microcomputer P.C. board of the front assembly and the connector CN501 on the tuner switch EL driver P.C. board.
5. Assemble the CD player assembly while plugging the connector CN801 on the operation switch P.C. board of the CD player assembly to the connector CN781 on the LCD microcomputer P.C. board of the front assembly.
6. Plug in the connectors CN633 and CN632 on the tuner function amplifier P.C. board to the connector CN502 on the tuner switch EL driver P.C. board of the front assembly and CN761 on the LCD microcomputer P.C. board.

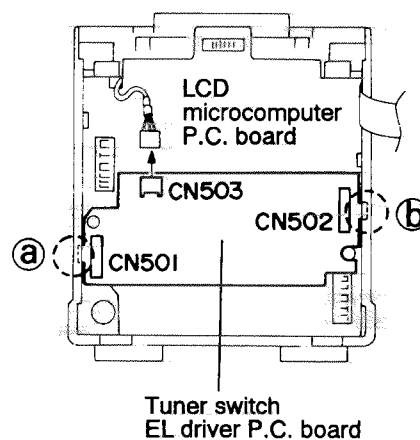


Fig. 5-20

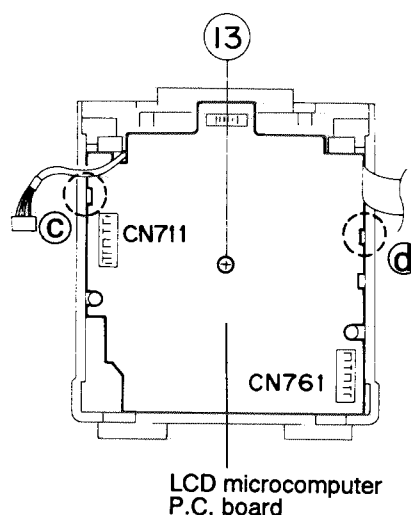


Fig. 5-21

6. Main Adjustments

■ Test Instruments required for adjustment

1. Low frequency oscillator
(Frequency range: 50Hz to 20kHz)
(Output : 0 dBs across 600 Ω terminating resistor)
2. Attenuator(Impedance : 600 Ω)
3. Test disc : CTS – 1000(Audio)
: CTS – 1000 & CRG – 1211S(Optical Control)
4. Extension cord : EXTUX1000 – JIG
5. Electronic voltmeter
6. Distortion meter
7. Jitter meter : NJM631
8. TE offset meter : LTM9055

■ Measuring conditions (Amplifier section)

Supply voltage AC230V (50Hz)

Reference output level :Speaker
0 dBs (0.775V) / 4 Ω
: Headphone
– 10dBs (0.245V)/ 32 Ω
:Line out
300mV(– 8.2dBs)/ 47k Ω

Standard test frequency

: 1kHz unless otherwise specified

Reference input levelAUX – 8dBs

Output for measuring, unless otherwise specified

: at speaker terminal J3003(Dummy load :4 Ω)

Posture of test..... Horizontal

● Standard position of function switches

Function switchto AUX

Active hyper – bass prop switch to off

● Standard position of volume control

Bass treble to center / flat position

Main volume adjust 0 dBs output position

● Test remarks

1. Negative side of the input and output terminals of the testing set, shall be isolated from each other. The negative side should not be commonly connect ed when a 2channel electronic voltmeter is connected.
2. A dummy load shall be connected to the output

terminal and the lead wires of dummy load shall be as thick as possible.

■ Measuring condition (Tuner section)

Rating source DC 12V

Power source to tuner : DC5.3V

Ference output..... Speaker : 60mW(0.49 V / 4 Ω)

Headphone : 0.066mV/ 32 Ω

AM modulation 400Hz, 30%

FM modulation400Hz deviation 22.5kHz

● Standard position of switches and controllers

Function switchto RADIO

Mode switchto STEREO

Bass0 center position

Treble0 center position

Active hyper – bass prop switch.....to off

● Tuner input position

LW / MW : Standard loop antenna

FM : Hot TP1(Extention terminal)

: GND TP2 Extention terminal)

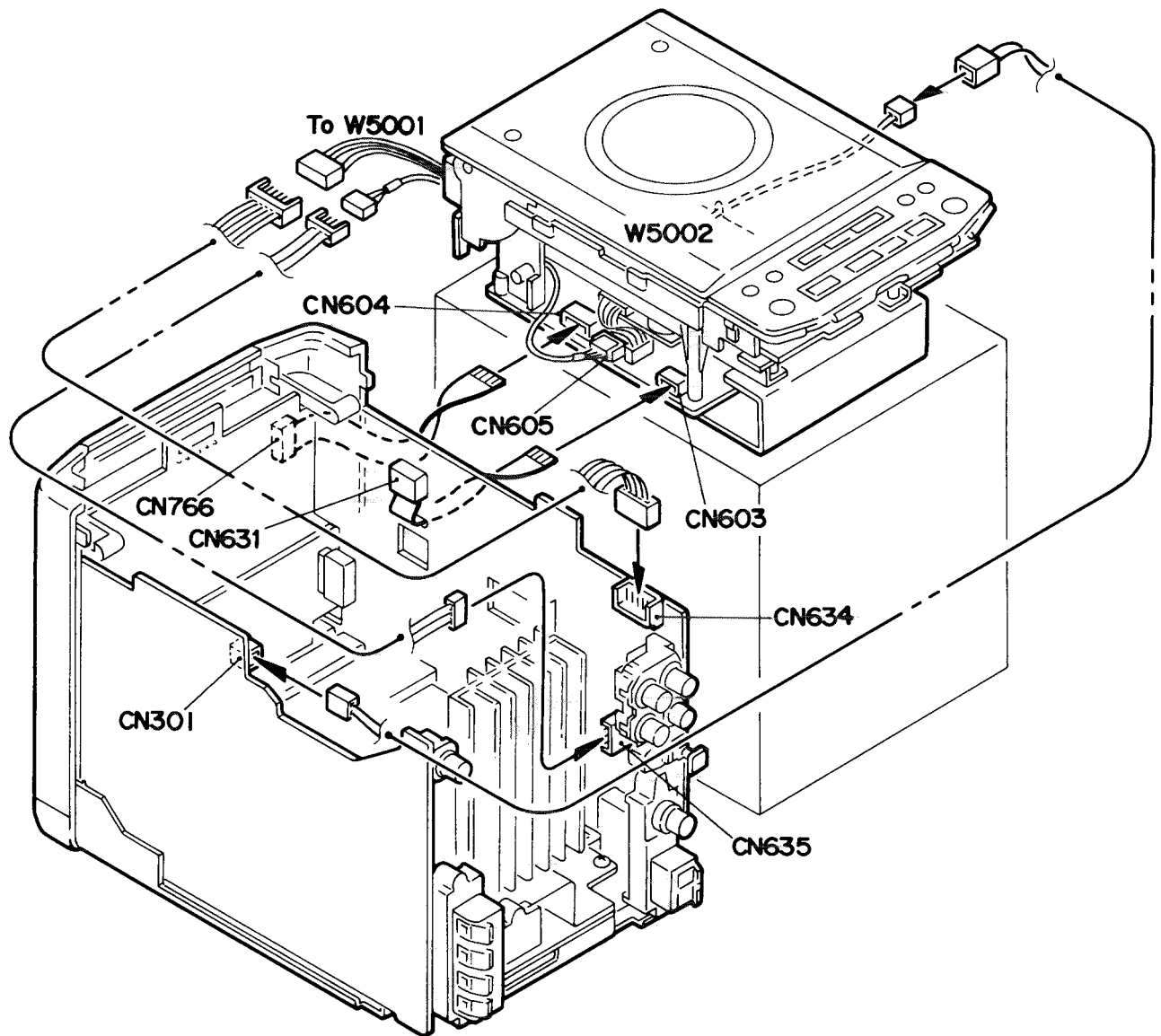
● Arrangement of loop antenna

When measuring keep the loop antenna away from the set more than 20cm .In case a test item is affected by small noise (Ex. Quieting sensitivity more than 30cm is necessary.)

● Remarks for alignment

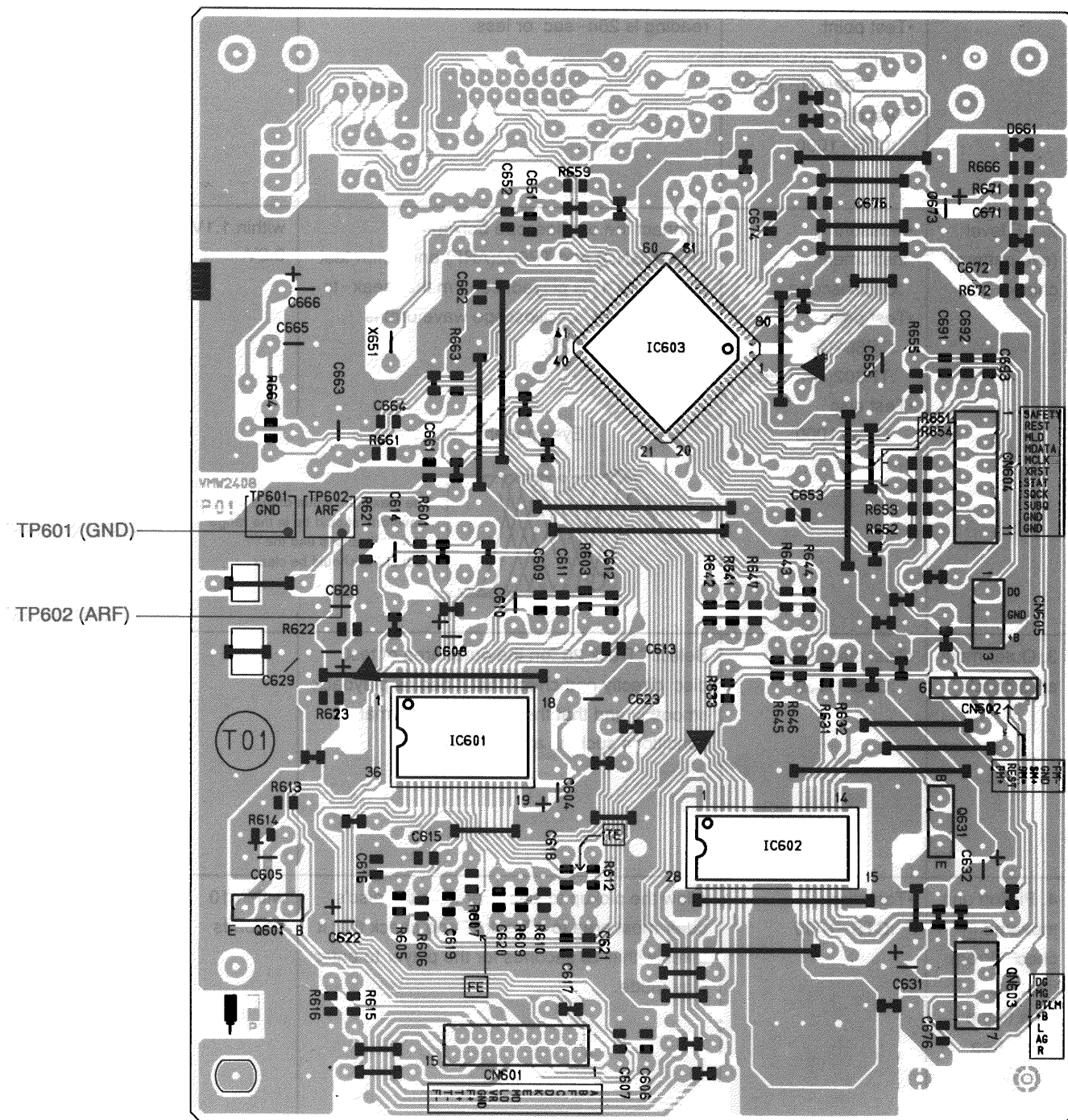
1. Connect 30 pF capacitor and 33 k Ω resistor to the output terminal of the IF sweeper in series while 0.082 μ F capacitor and 100k Ω resistor to the input terminal in series.
- 2.Set the output level of the IF sweeper as low as adjustable.
- 3.IF alignment is not necessary for both AM and FM MPX alignment is not necessary either. All IFTs and MPX coil are non – adjusting type.

■ How to Connect the Extention Cord (EXTUX1000- JIG)

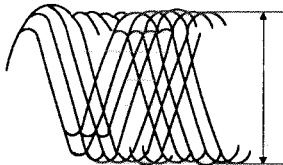


■ Arrangement Checking Test Point

(CD Amplifier board)



■ CD section

Items	Conditions	Adjustment and Confirmation procedure	Standard Value	Adjusting
1. Jitter check	<ul style="list-style-type: none"> •Measuring instrument : Jitter meter •Test point :TP601(GND side) :TP602(ARF side) •Test disc :CTS-1000 	Connect the jitter meter between TP601(GND) and TP602(ARF) and when test disc (track 1) is played, confirm that the meter reading is 26n-sec or less.	26n-sec or less	—
2. RF level (eye pattern) check	<ul style="list-style-type: none"> •Measuring instrument :Oscilloscope •Test point :TP601(GND side) :TP602(ARF side) •Test disc :CTS-1000 	<p>Connect the oscilloscope between TP601(GND) and TP602(ARF) and when test disc (track 1) is played, confirm that peak-to-peak value of oscilloscope waveform is within $1.1V \pm 0.2V$.</p> <p>Eye-pattern waveform</p>  <p>The maximum value of this waveform should be in the range of specifications and the waveform should be clear.</p>	within $1.1V \pm 0.2V$.	—
3. Outer most area check	<ul style="list-style-type: none"> •Test disc :CTS-1000 	Select "Track 26" on the outer area of test disc directly and check that it begins playback smoothly and that there are no abnormal conditions such as a tracking error.		—
4. Pickup unit movement check (From the outer area to the inner area)	<ul style="list-style-type: none"> •Test disc :CTS-1000 	Allow the pickup to skip over from the disc's outer most area to "Track 1" and check that it takes within 10 seconds for the player to enter play mode.	within 10 seconds	—

7. Troubleshooting

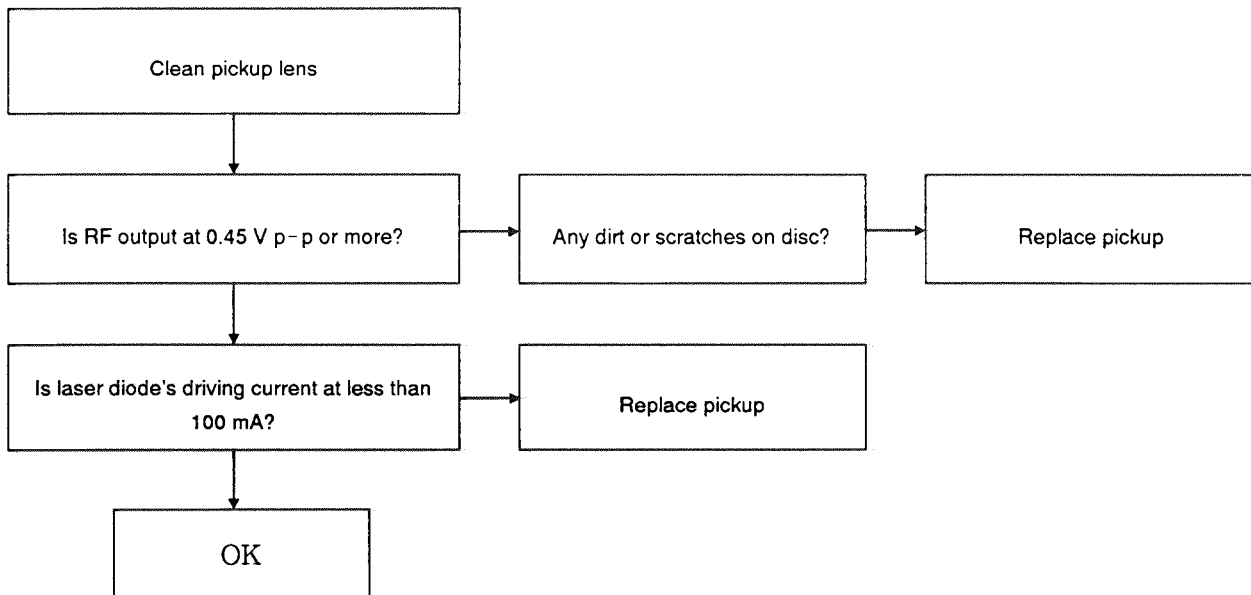
■ Pickup maintenance

(1) Checking the service life of laser diode

If a laser diode reaches the end of its service life, the following phenomena will show up. Similar symptoms may also appear when the pickup lens becomes too dirty. In this case, clean the lens.

- 1) The RF output (between IC601 ⑦ and ⑱ (GND)) lowers.
- 2) The driving current, necessary for the laser diode to emit lights, increases. (Calculate from the voltage level at both ends of the R614 at 10 Ω .)

◆ Following the flow chart shown below, check the service life.



◆ How to measure laser diode's driving current

After connecting a voltmeter at both ends of the R614(10 Ω), measure the voltage during playback. If the voltage level is at 1.0 V or more, the service life of the laser diode has expired.

Laser diode's driving current (A)

= Voltage level at both ends of R614 (V)/10 (Ω)

When voltage level is at 1.0 V:

1.0 V/10 Ω = 0.1 A = 100 mA

Note:

The laser diode easily breaks down. Be sure to turn the power off before connecting a voltmeter.

◆ HOW TO OPERATE THE CD SELF - DIAGNOSIS FUNCTION

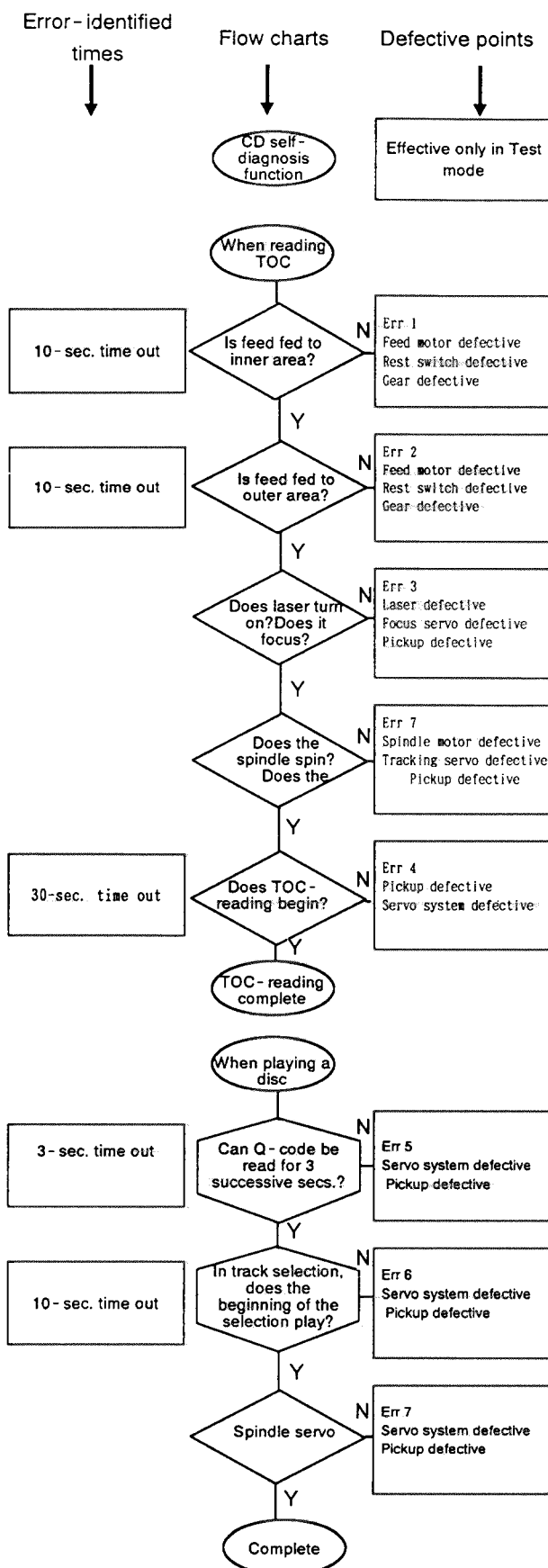
◆ The CD Self - diagnosis Function

If any malfunction occurs in the CD player, this system can be set to make an error code indication appear on the LCD to point out the defective parts. This efficiently helps service personnel find the causes of the malfunction.

1. Operation

- 1 Press the three **■/CLEAR**, **+10** and **POWER** buttons on the remote control to enter the Test mode. (Then the illuminating portions of the LCD all light up together. This indicates that the system has entered the Test mode.)
- 2 Play a CD. If the operation is defective in any way, an error code should appear on the LCD.
- 3 Identify the point of malfunction in accordance with the error code displayed.

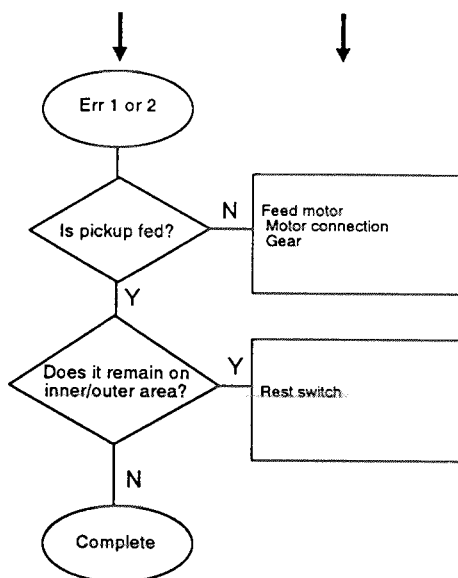
2. Error codes & defective points



Error - identified times
↓

Flow charts
↓

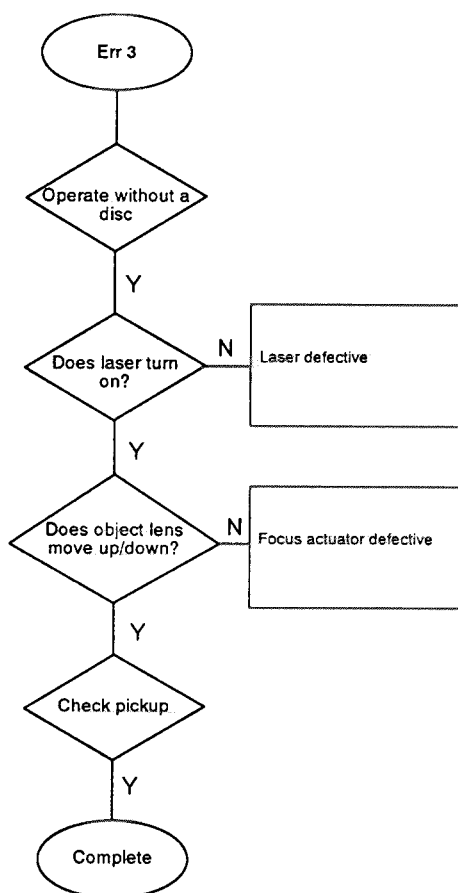
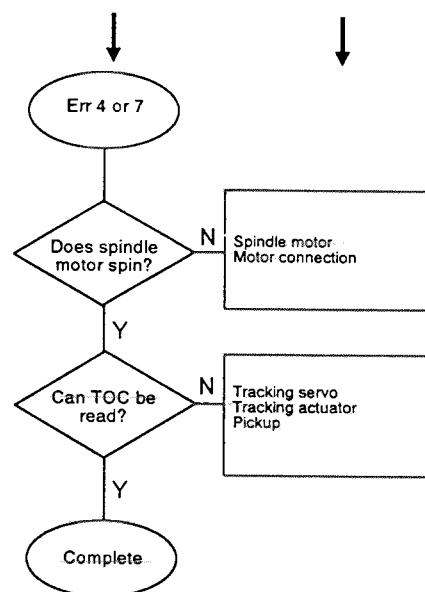
Defective points
↓



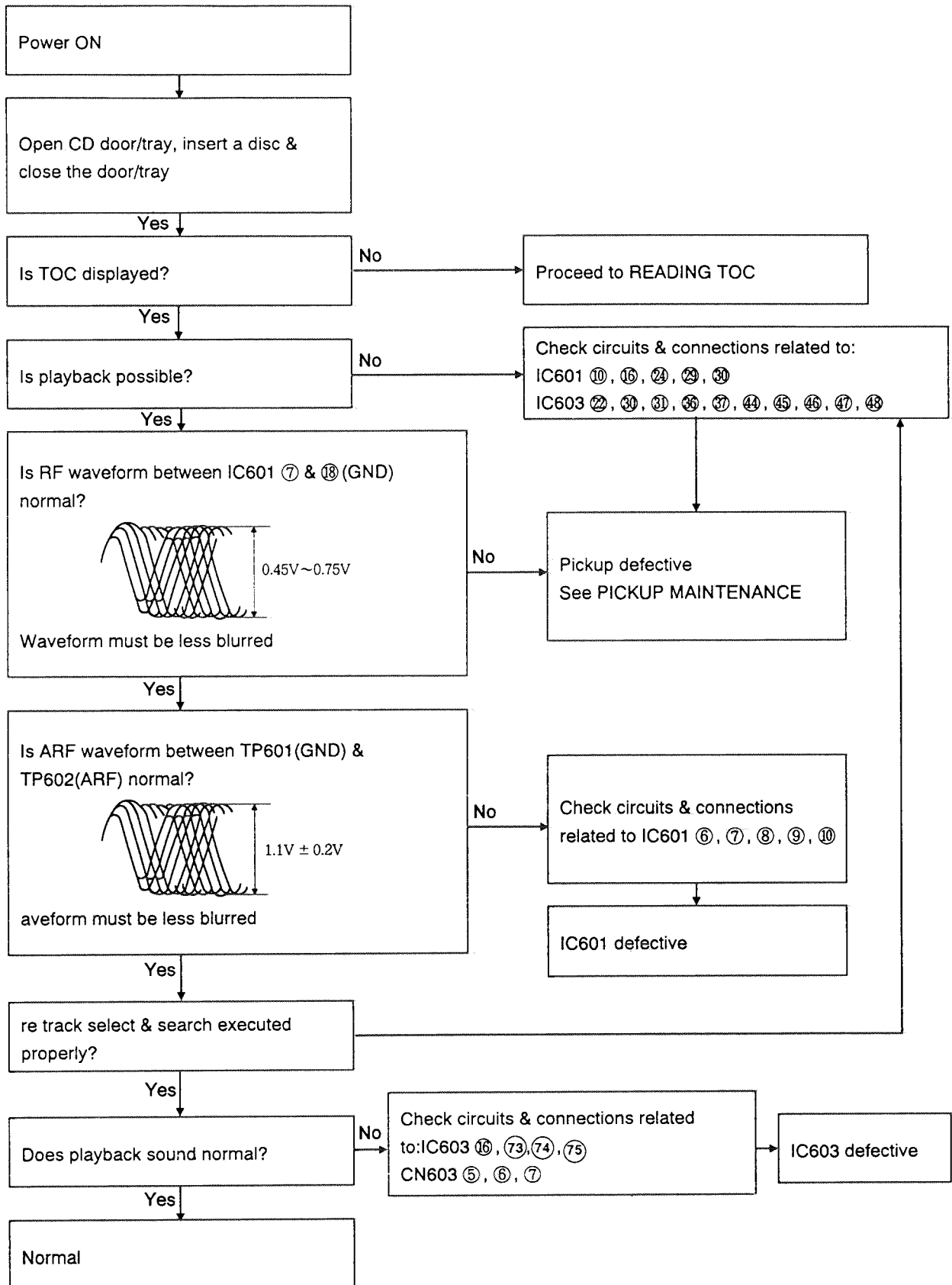
Error - identified times
↓

Flow charts
↓

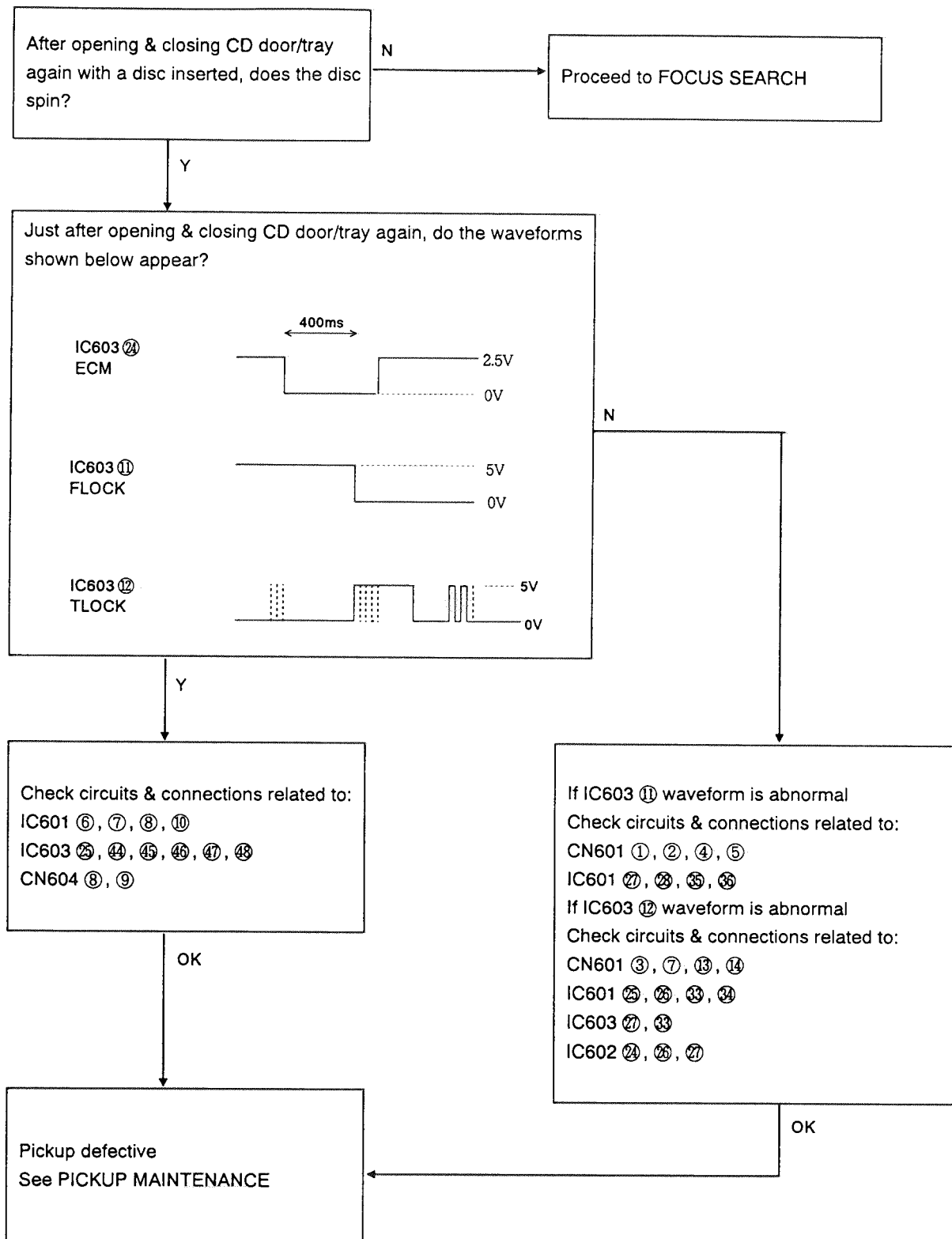
Defective points
↓



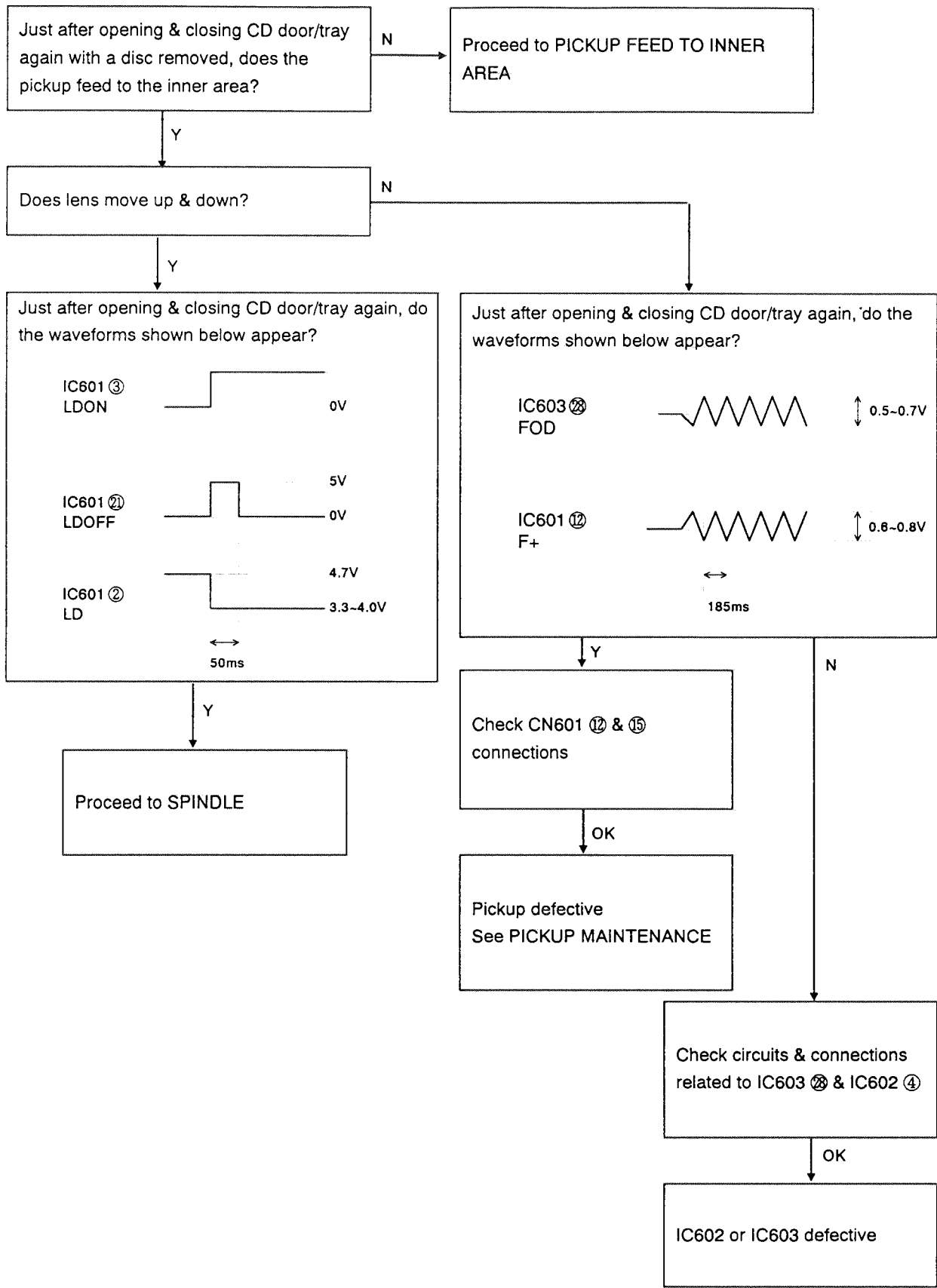
◆ General



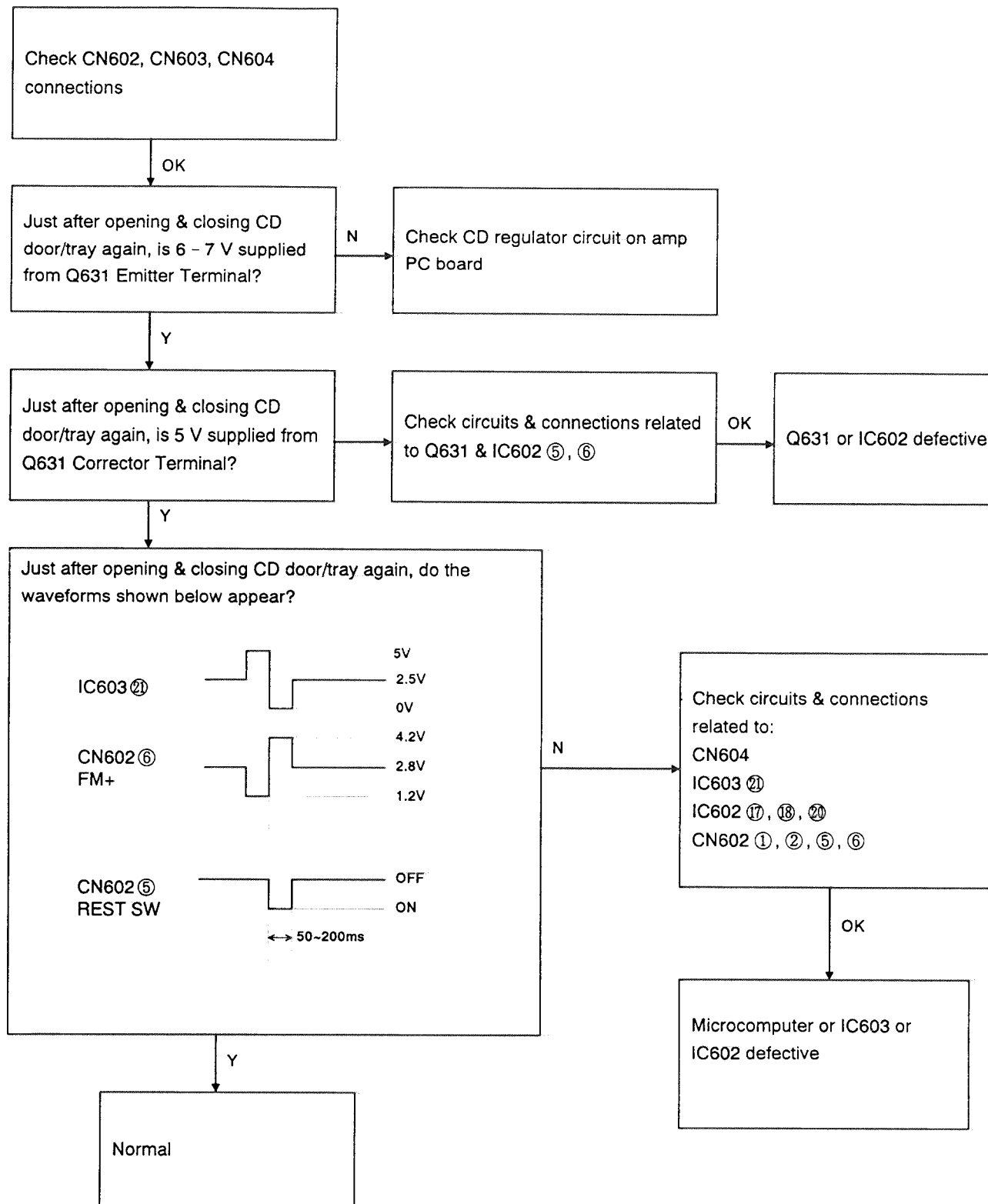
◆ Reading TOC



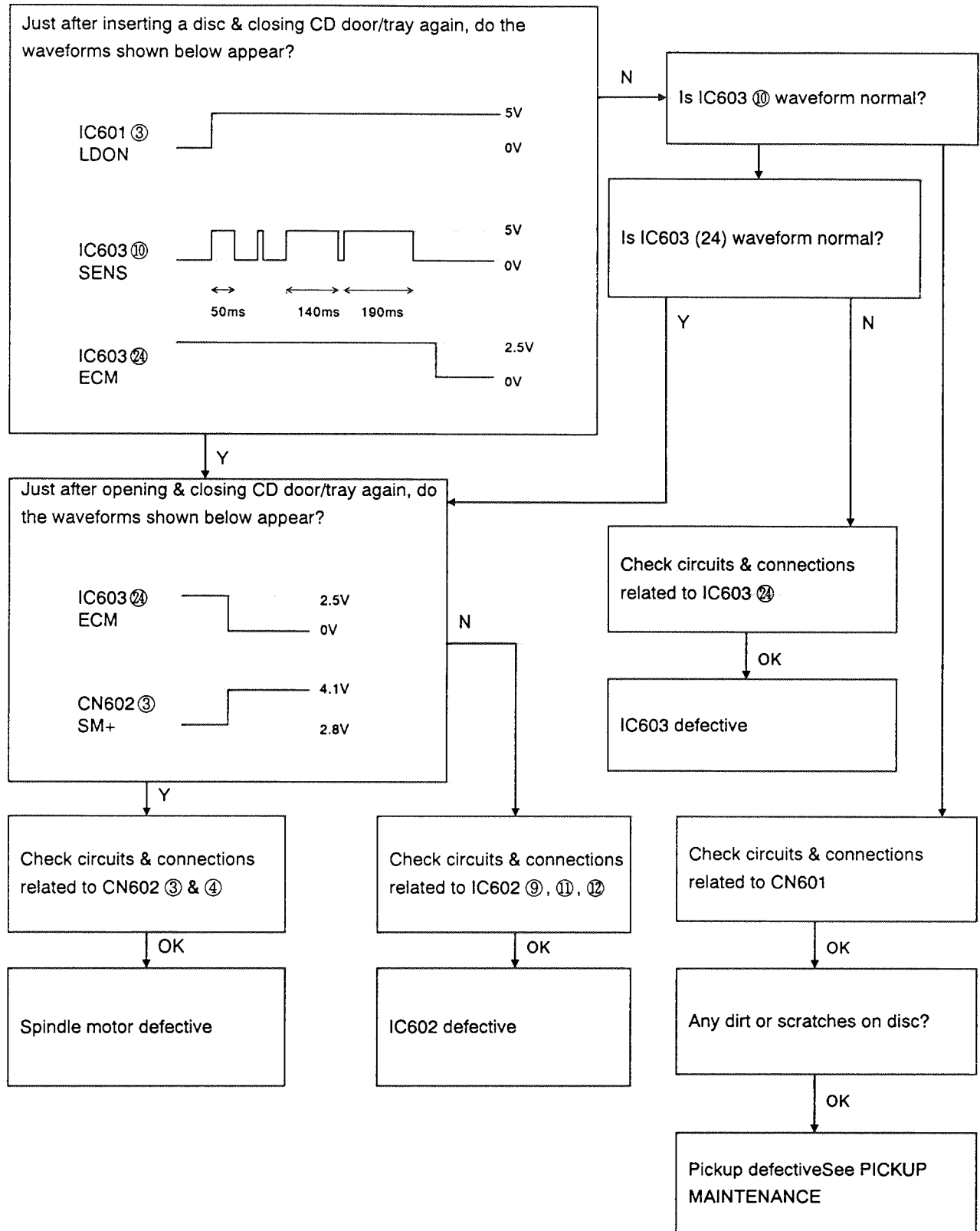
◆ Focus search



◆ Pickup feed to inner area



◆ **Spindle**



8. Main IC Block Diagram

Integrated circuit diagram

IC2 (LC72136) PLL

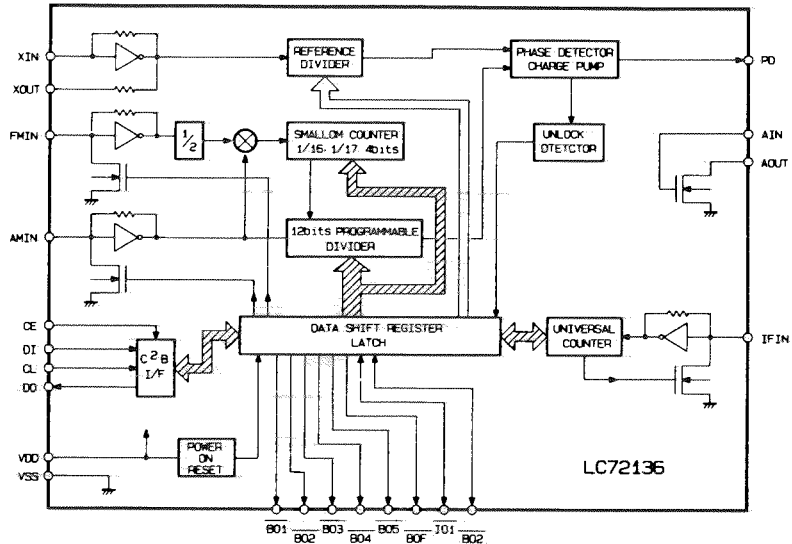
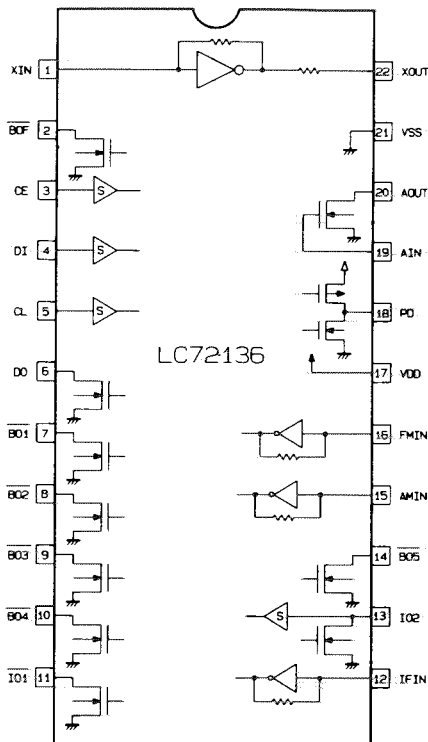


Fig. 8-1

IC1 (TA2057N) IF & MPX

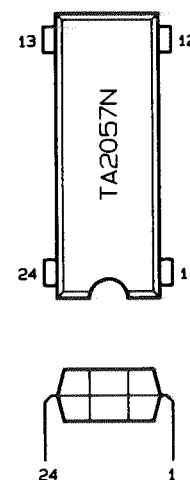
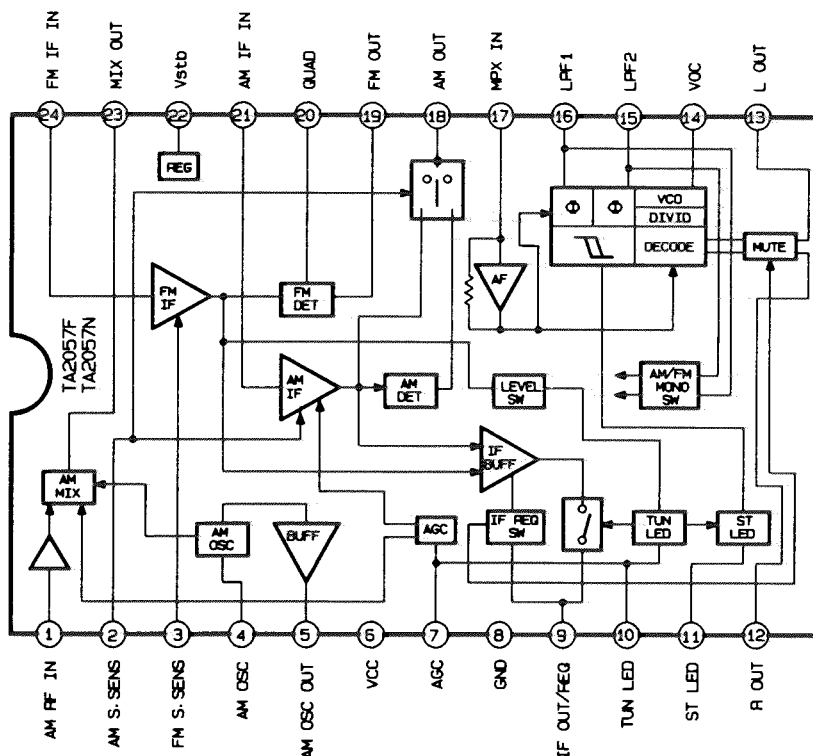
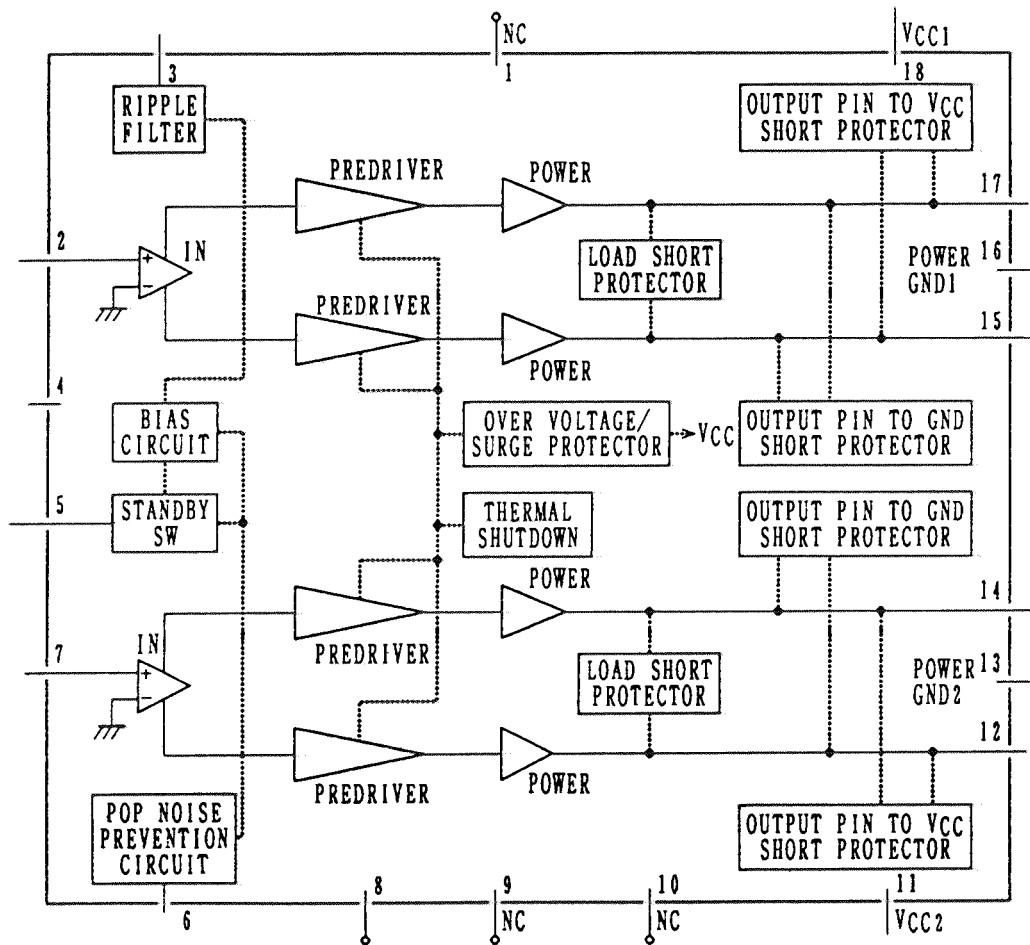


Fig. 8-2

■ IC31: LA4705NA (POWER AMPLIFIER)



■ IC701 : UPD78063GF Terminal's Function Table

Pin No.	Symbol	I/O	Function
1	SDATA	I/O	Serial data (TUNER PLL)
2	SCK	0	Serial clock (TUNER PLL)
3	SUBQ	I	CD Q cord data/RDS data
4	NC	0	Non connection
5	SQCK	0	Sincro clock of CD Q cord data
6	IC		Connect to Vss
7	X2		Main system clock 4.19MHz
8	X1	I	Main system clock 4.19MHz
9	Vdd		Power source
10	XT1	I	Sub system clock 32.768kHz
11	XT2		Sub system clock 32.768kHz
12	RESET	I	Reset
13	REM	I	Remote control unit
14	RDS CLOCK	I	Sincro clock of RDS data
15	VOL A	I	Volume encorder A
16	BEAT 2	0	Main clock selecttor 2
17	BEAT 1	0	Main clock selecttor 1
18	+ BCTL	0	Switched 5V control (H = 5V off)
19	XRESET	0	CD LSI reset
20	MCLK	0	CD LSI comand clock
21	MDATA	0	CD LSI comand data
22	MLD	0	CD LSI comand load
23	MTO	0	CD door motor
24	MT1	0	CD door motor
25	DIMMER	0	Backlight brilliant (H = normal, L = dimmer)
26	F.AUX	0	Fuction AUX (L = by AUX)
27	AVss		AD convertor ground
28	SAFETY2	I	Detection 2 for avnormal power voltage
29	DOOR	I	Reset/open/close switch
30	SAFETY1	I	Detection 1 for avnormal power voltage
31	SAFETY0	I	Detection 0 for avnormal power voltage
32	KEY 1	I	Set key input 1
33	KEY 0	I	Set key input 0 (Included to Version select)
34	MTS	0	Door motor speed (L = Normal, H = Slow)
35	LO.MUTE	0	Line out mute
36	AVdd		Power source for AD convertor (Vdd = same)
37	AVref		Reference power voltage for AD convertor
38	BUP	I	Distinction of backup power source (H = Backup)
39	F.TUNER	0	Function Tuner
40	Vss		Ground

Pin No.	Symbol	I/O	Function
41	MPX	I	Detection of FM stereo (L = Stereo)
42	PERIOD	0	Stolove of Tuner PLL
43	VOL B	I	Volume encorder B
44	BASS	0	Bass control (PWM)
45	TRE	0	Treble control (PWM)
46	VOL	0	Volume control (PWM)
47	S.BASS	0	S.BASS ON/OFF (ON = L, OFF = H)
48	S.MUTE	0	System mute (mute = L)
49	P.OUT	0	Power on/off
50	F.CD	0	Function CD (CD = L)
51	COM 0	0	LCD Remote control unit terminal 0
52	COM 1	0	LCD Remote control unit terminal 1
53	COM 2	0	LCD Remote control unit terminal 2
54	COM 3	0	LCD Remote control unit terminal 3
55	BIAS		LCD bias power voltage
56	VLC 0		LCD bias power voltage
57	VLC 1		LCD bias power voltage
58	VLC 2		LCD bias power voltage
59	Vss		Ground
60	S0	0	LCD segment 0
61	S1	0	LCD segment 1
62	S2	0	LCD segment 2
63	S3	0	LCD segment 3
64	S4	0	LCD segment 4
65	S5	0	LCD segment 5
66	S6	0	LCD segment 6
67	S7	0	LCD segment 7
68	S8	0	LCD segment 8
69	S9	0	LCD segment 9
70	S10	0	LCD segment 10
71	S11	0	LCD segment 11
72	S12	0	LCD segment 12
73	S13	0	LCD segment 13
74	S14	0	LCD segment 14
75	S15	0	LCD segment 15
76	S16	0	LCD segment 16
77	S17	0	LCD segment 17
78	S18	0	LCD segment 18
79	S19	0	LCD segment 19
80	S20	0	LCD segment 20

[illegible]

9. Block Diagram

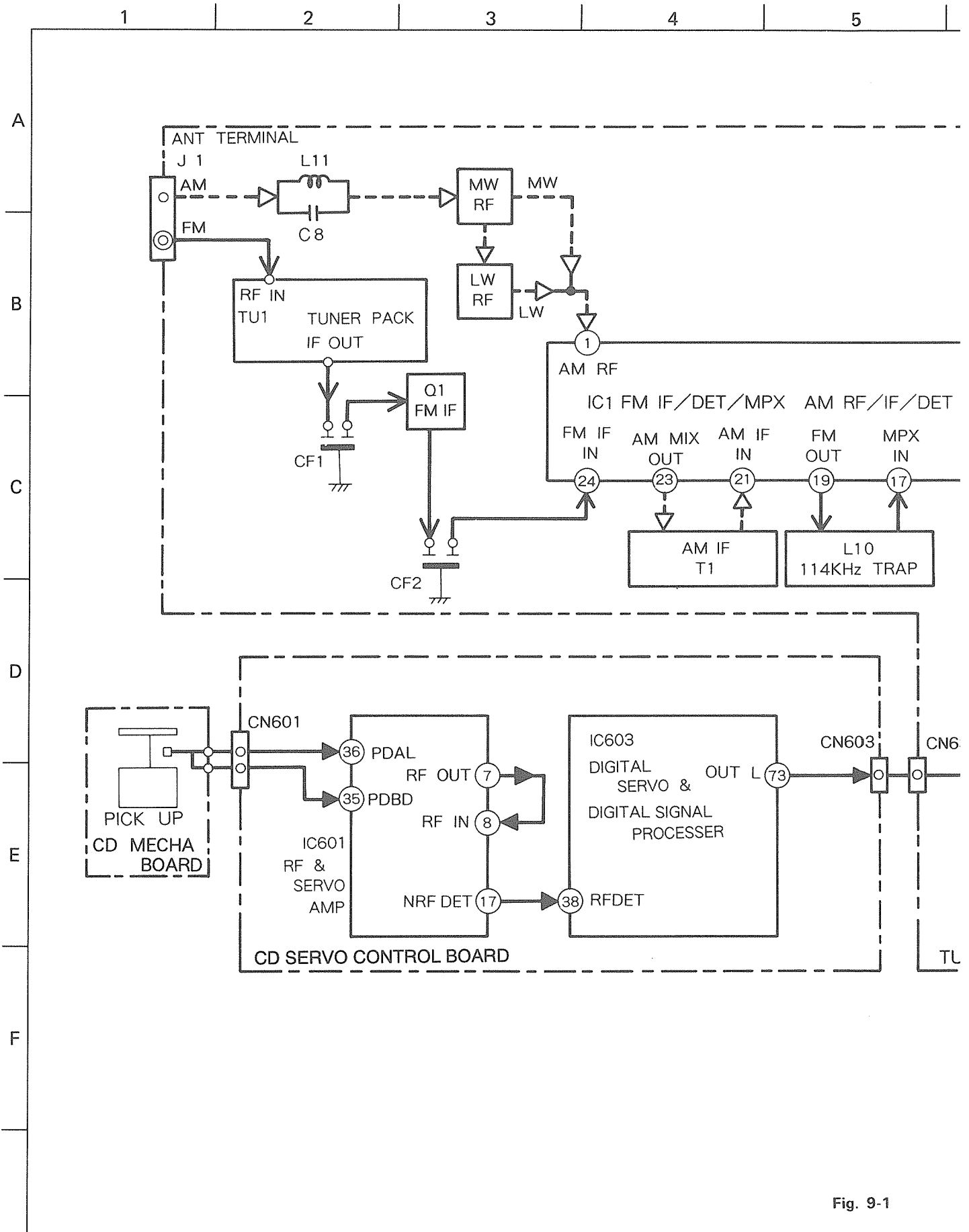
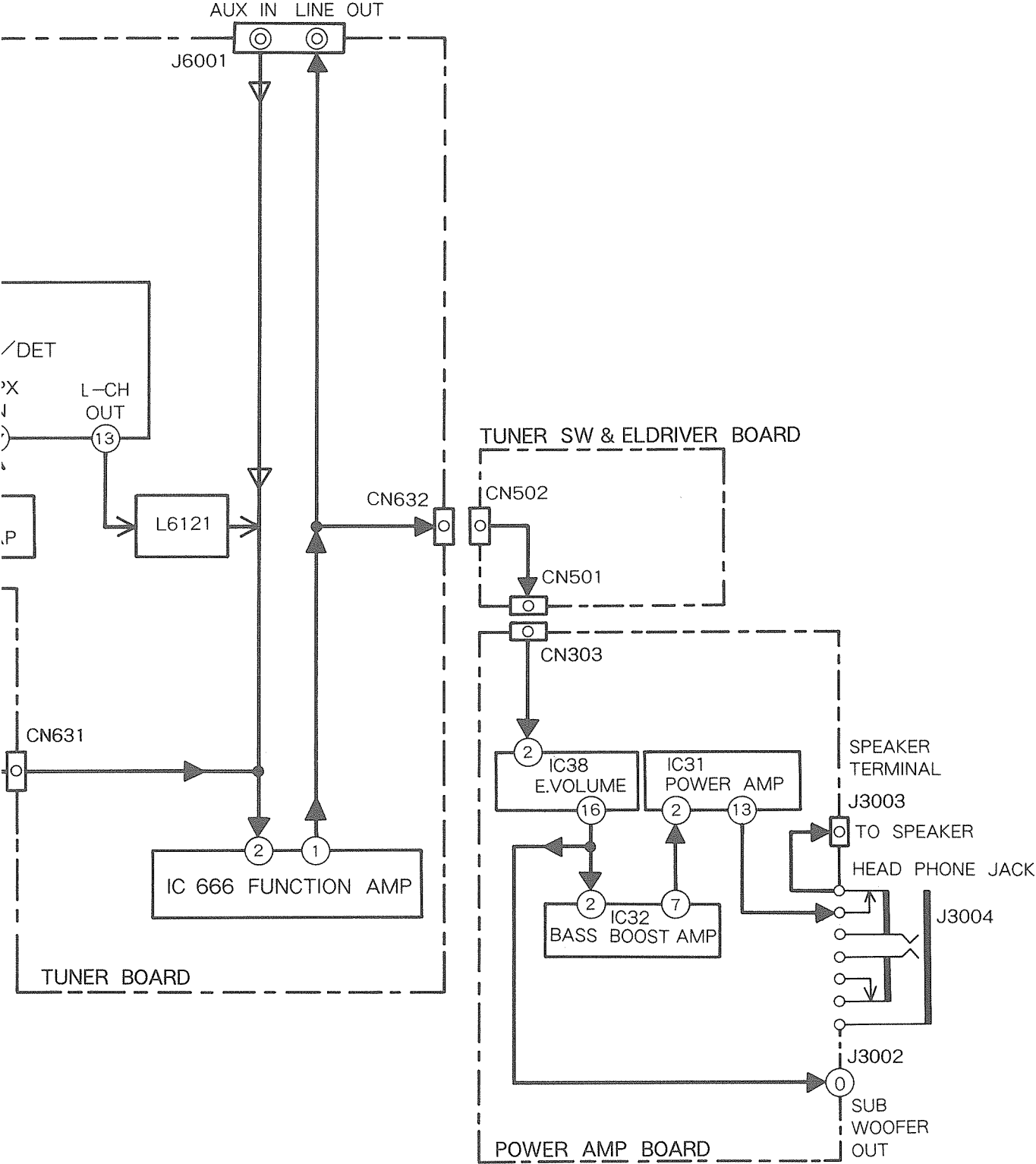


Fig. 9-1



10. Wiring Connections

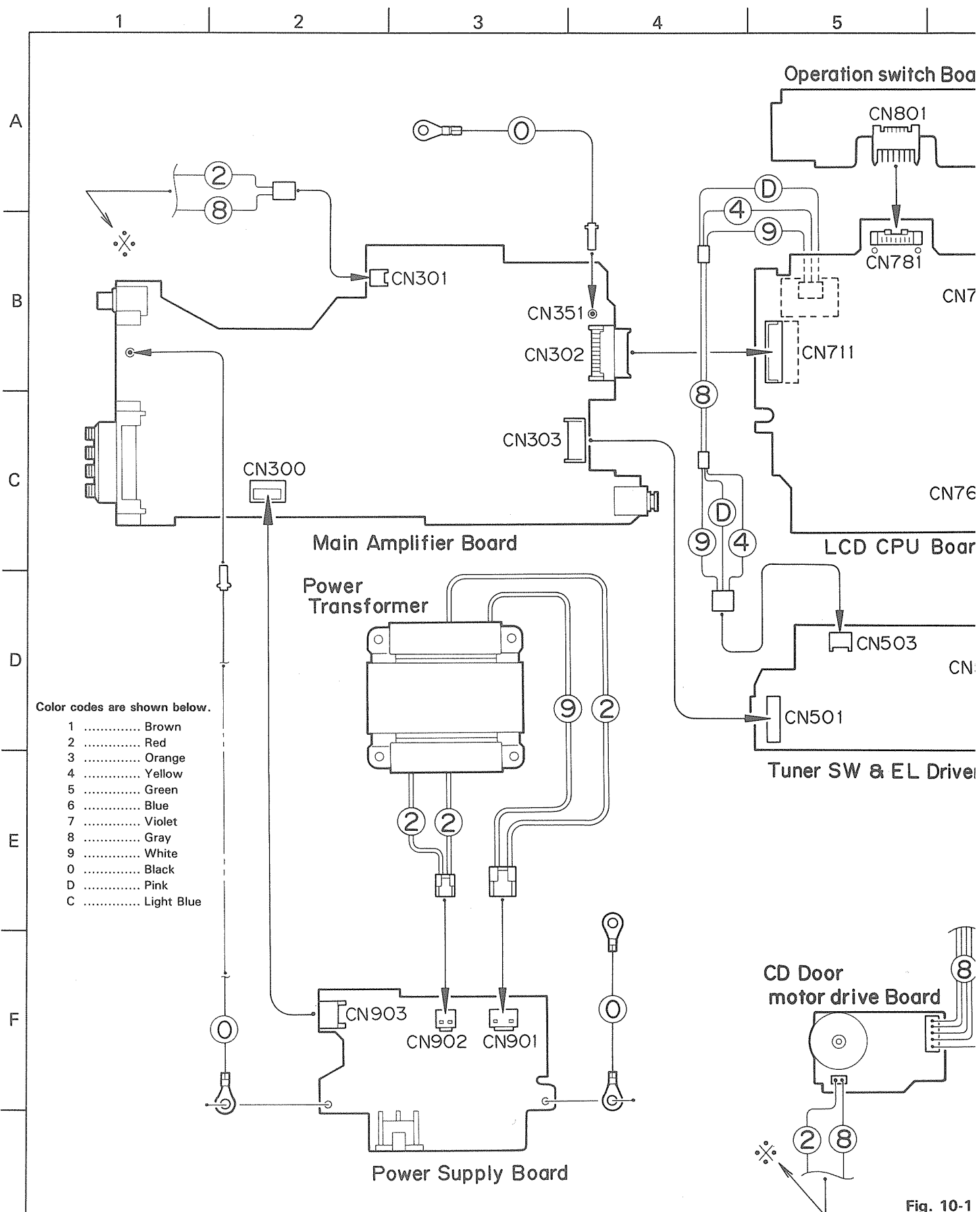


Fig. 10-1

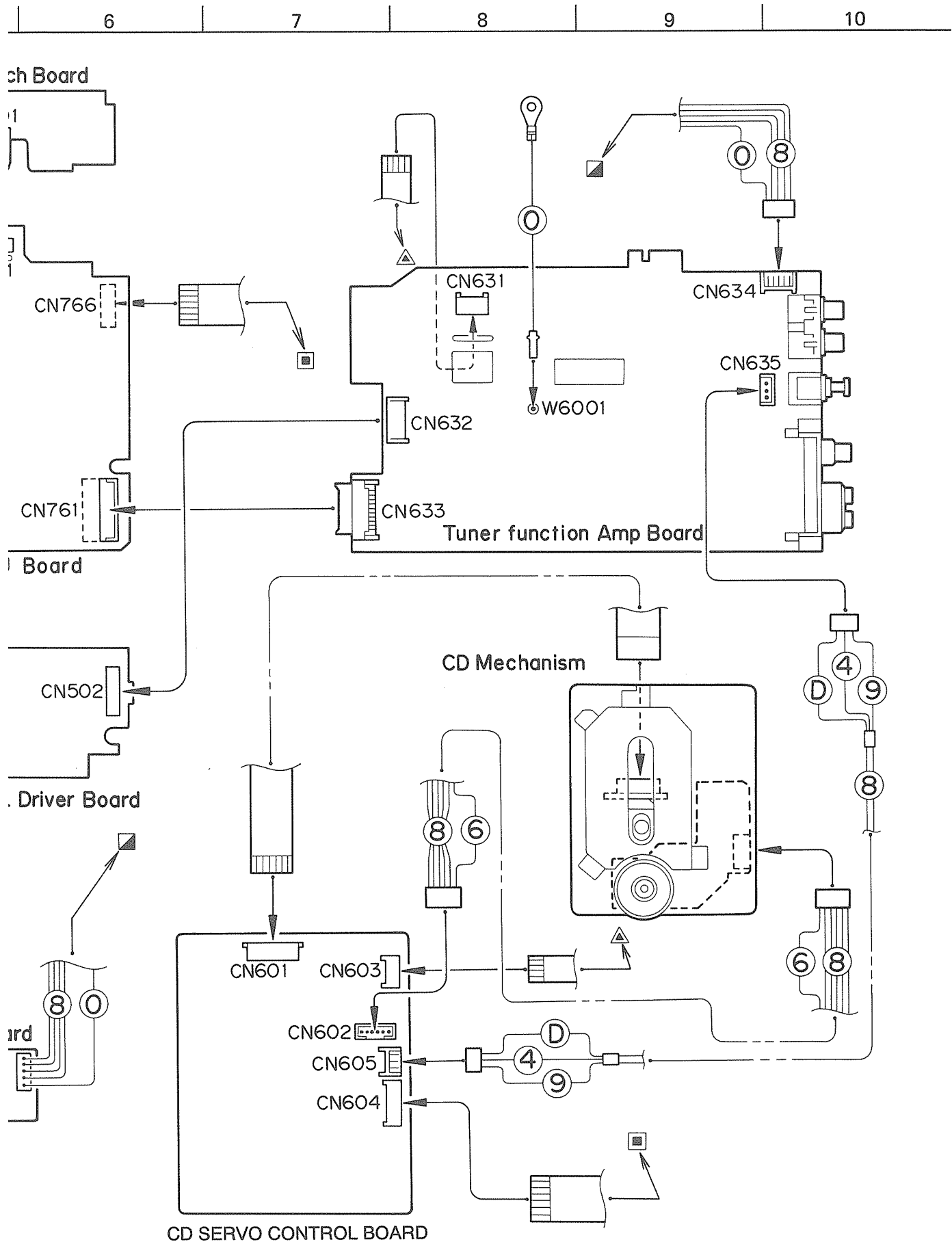
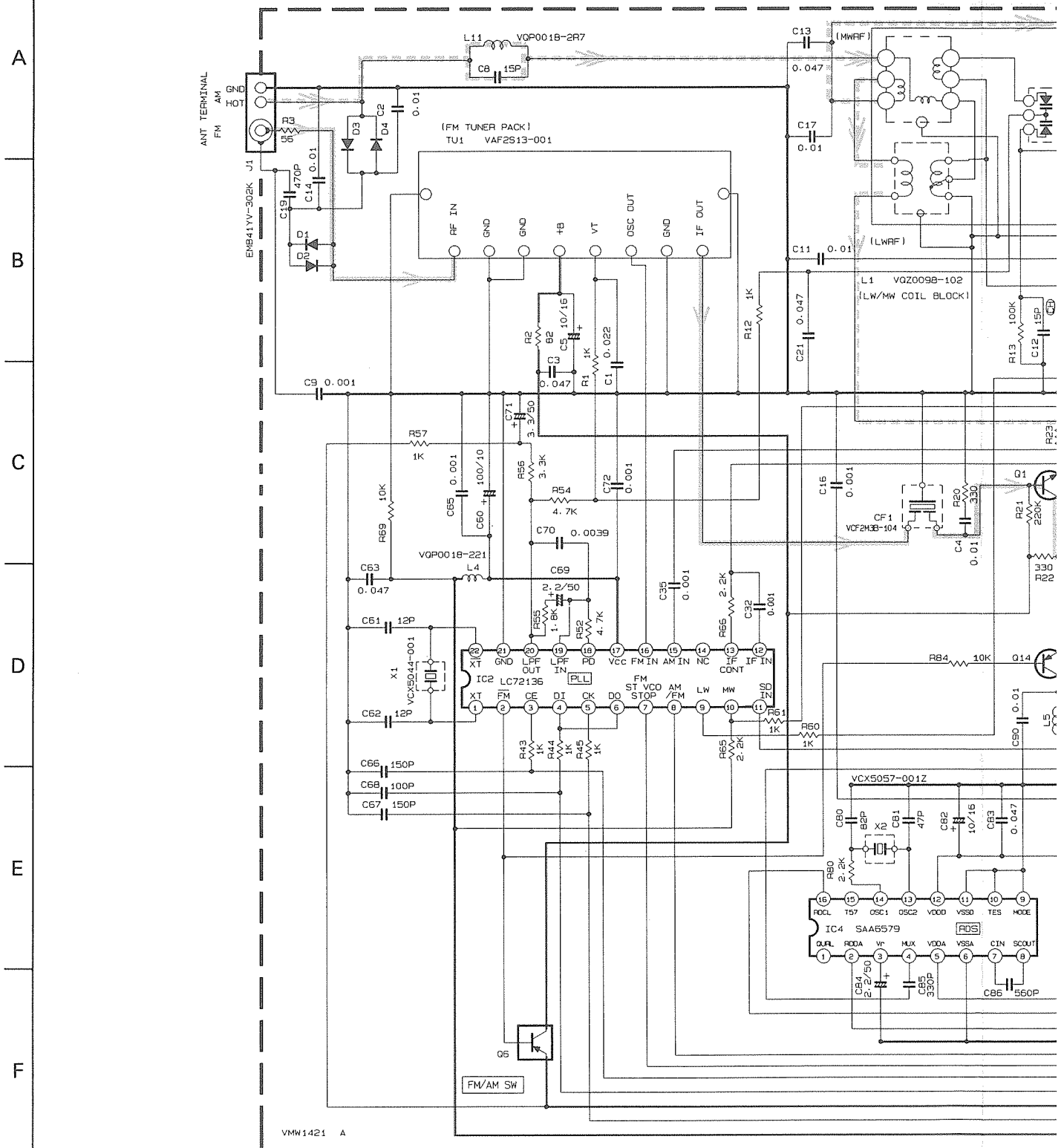


Fig. 10-1

11. Standard Schematic Diagram

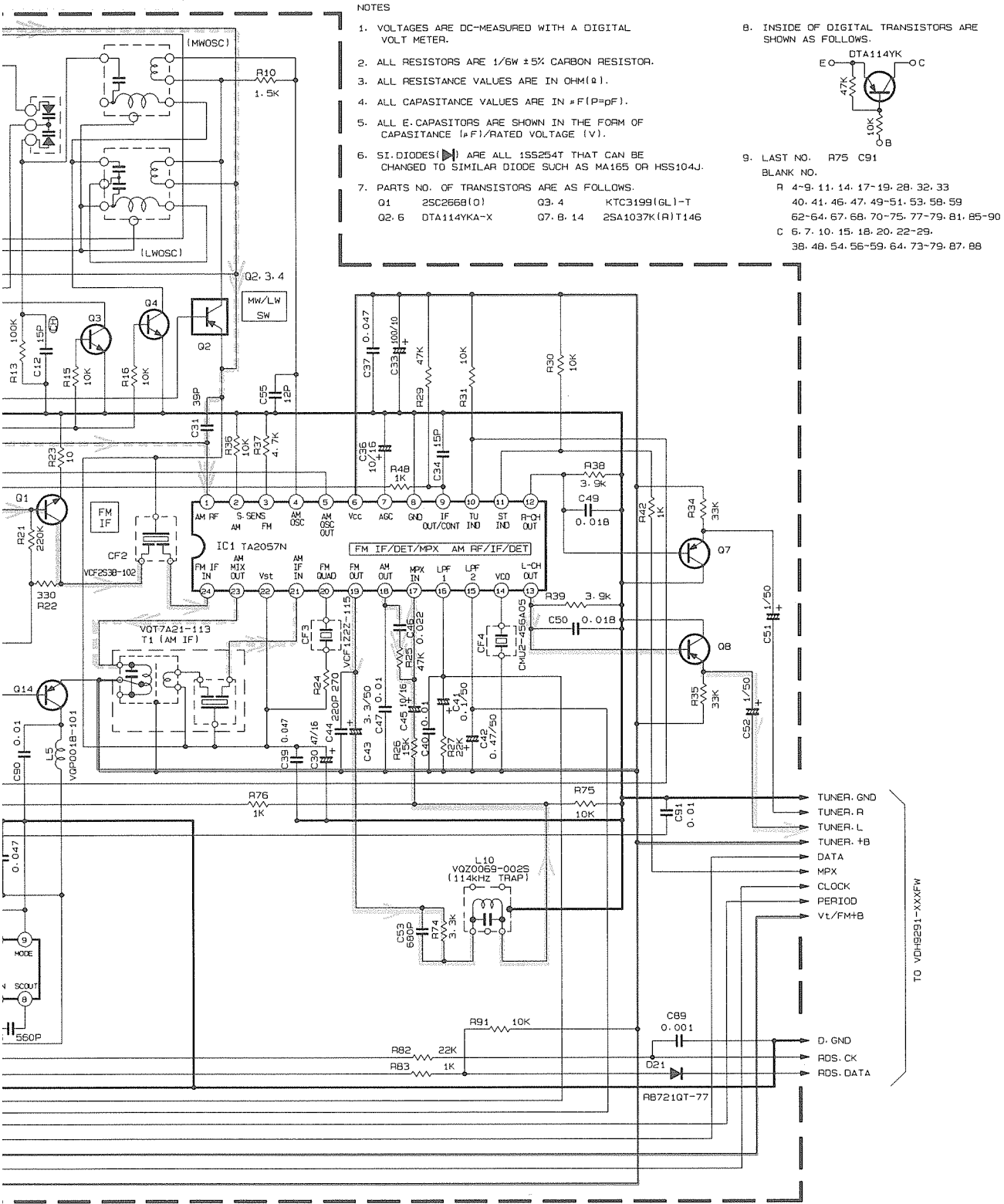
■ Tuner Circuit : Drawing No.VDH9292-005TW



	CONDITION	PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
IC1	FM NO SIGNAL		2.0	0.5	0	2.0	5.2	5.2	0	0	0.3	5.2	5.2	1.1	1.1	4.6	3.9	3.9	1.4	0	1.3	1.1	2.0	2.0	5.2	2.0
	FM 60dB STEREO		2.0	0.5	0	2.0	5.2	5.2	1.1	0	0.3	0	0	1.1	1.1	4.5	4.1	3.9	1.4	0	1.4	1.1	2.0	2.0	5.2	2.0
	AM NO SIGNAL		2.0	0.5	0	2.0	5.0	5.2	0	0	0.3	5.2	5.2	1.1	1.1	4.8	0.1	0	1.4	1.4	1.5	1.6	2.0	2.0	5.2	2.0
IC2	FM NO SIGNAL		2.4	0	0	5.1	4.9	5.1	3.9	3.9	2.0	4.1	5.2	0	0	0	0	0	2.6	5.2	1.0	1.0	3.7	0	2.7	
IC4	FM NO SIGNAL		2.5	2.6	2.5	2.5	5.1	0	2.5	2.5	0	0	0	5.1	2.5	2.5	2.5	2.5								

Note : VDH9292005TW

Tr	NC
PIN	NC
FM 87.5MHz	N
AM 522KHz	N
Tr	NC
PIN	NC
AM 522KHz	NC
AM 1440KHz	NC



Tr NO.	Q1			Q6			Q7			Q8		
PIN NO.	E	C	B	E	C	B	E	C	B	E	C	B
M 87.5kHz NO SIGNAL	0	7.5	0.7	8.8	8.7	0	1.6	0	1.1	1.6	0	1.1
M 522kHz NO SIGNAL	0	0	0	8.8	0	8.7	1.6	0	1.1	1.6	0	1.1
Tr NO.	Q2			Q3			Q4			Q14		
PIN NO.	E	C	B	E	C	B	E	C	B	E	C	B
M 522kHz NO SIGNAL	2.0	2.0	0.1	0	0	0.7	0	0	0.7	5.2	5.2	4.7
M 144kHz NO SIGNAL	2.0	2.0	2.0	0	0	0.1	0	0	0.1	5.2	1.0	8.7

FM Radio signal
MW Radio signal
LW Radio signal
+B Line

1

2

3

4

5

CD Servo Control Circuit : Drawing No.VDH1010-001CW

A

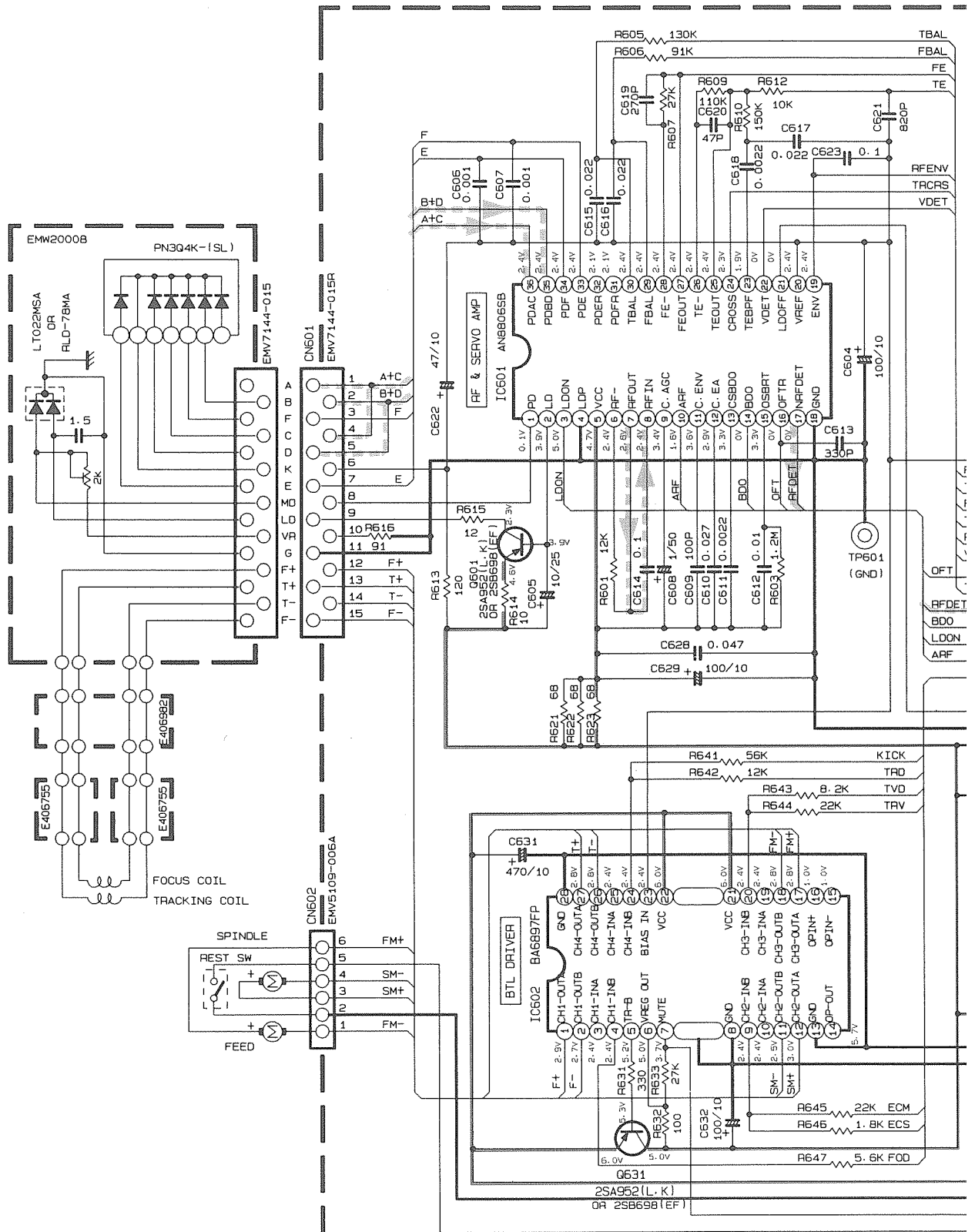
B

C

D

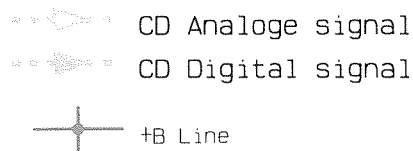
E

F

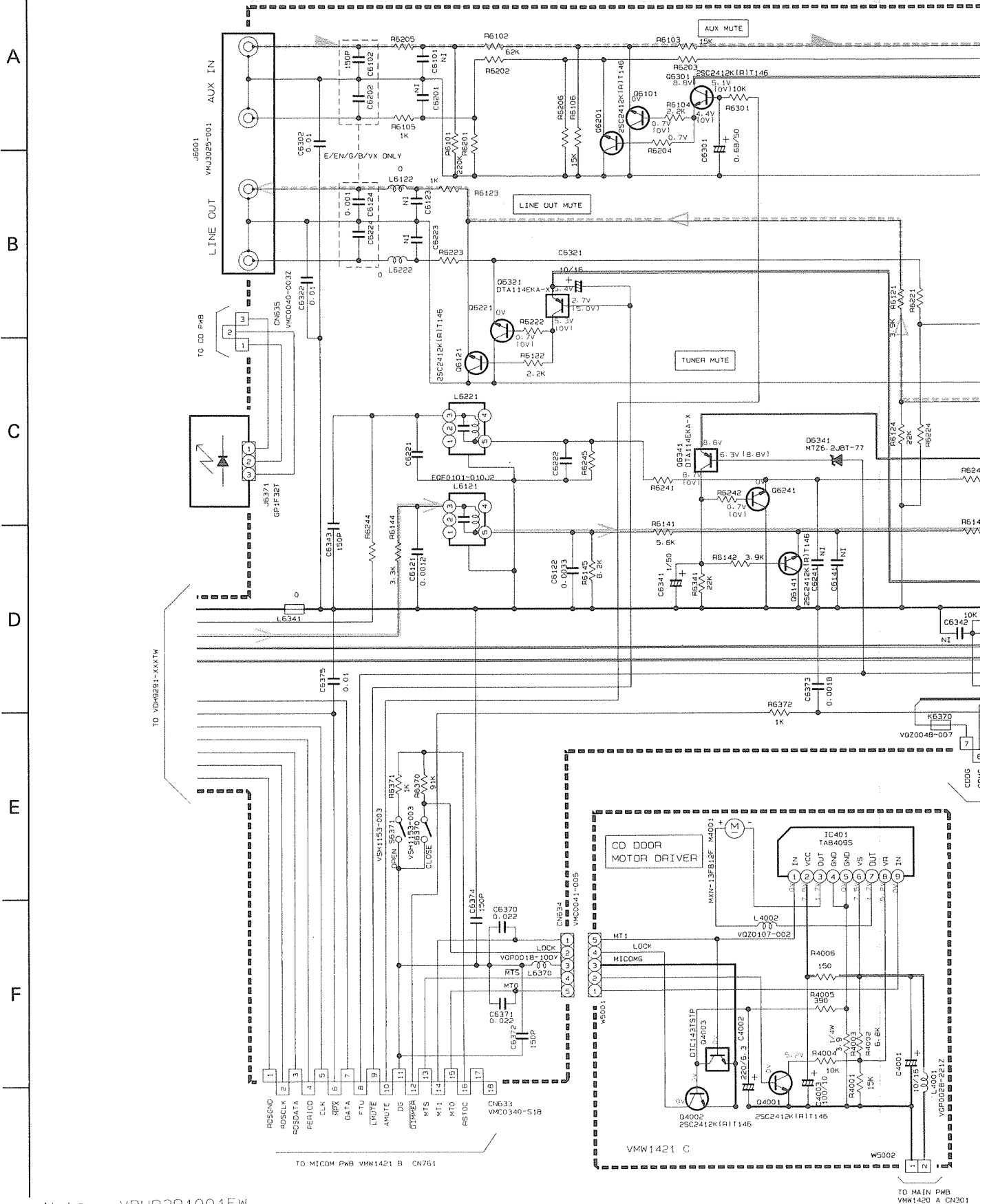


NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
2. UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/8W ±5% CARBON RESISTOR.
ALL RESISTANCE VALUES ARE IN OHM (Ω).
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL CAPACITANCE VALUES ARE IN PICO (pF).
ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (pF)/RATED VOLTAGE (V).



Function Amplifier Circuit : Drawing No.VDH9291-001FW/



Note : VDH9291001FW



1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION --- CD STOP MODE
INSIDE BRACKET VALUES ARE OTHER FUNCTIONS
(1 IS INVERT MODE
2. UNLESS OTHERWISE SPECIFIED:
RESISTORS ARE 1/8 $\pm 5\%$ CARBON RESISTOR OR 1/10W $\pm 5\%$ MO RESISTOR
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL CAPACITANCE VALUES ARE IN μ F(μ PF).
ALL INDUCTANCE VALUES ARE IN μ H(μ MH).
ALL E CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μ F)/RATED VOLTAGE (V).
ALL DIODES ARE 1N5254T-77 OR H5S104T (V).
NI MEANS NO INSERT

(FR) FUSEBLE RESISTOR

DTA114EKA-X

DTC143T5TP



- - EXCEPT { UX-1000 - #1-500
FS-1: #1-30

Fig1

	UX-1000 #1-500
R5903	270 0
R5904	47 0 1/4W (QRZ0077-470X)

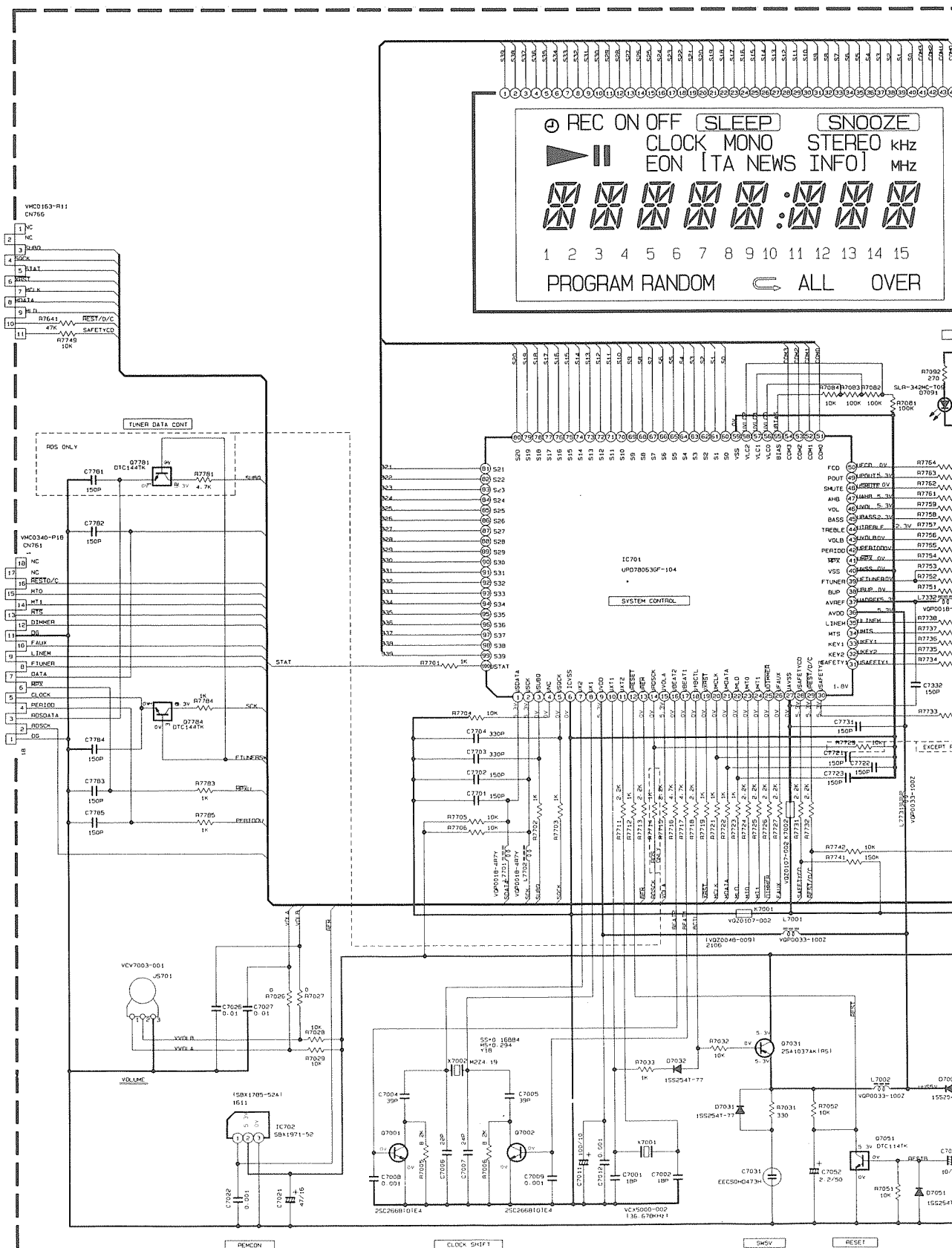
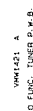
	UX-1000/UX-1500R	FS-1/UX2000 /UX-2000R
A5903	330 Ω	270 Ω
A5904	68 Ω 1/4W (QRZ0077-630X)	47 Ω 1/4W (QRZ0077-470X)

TO MAIN PWB
VMW1420 A CN303



UX-1000, FS-1
UX-2000, FS-1000
UX-2000R, FS-2000
UX-1500R

1	2	3	4	5
---	---	---	---	---



Note : VDH9291005SV

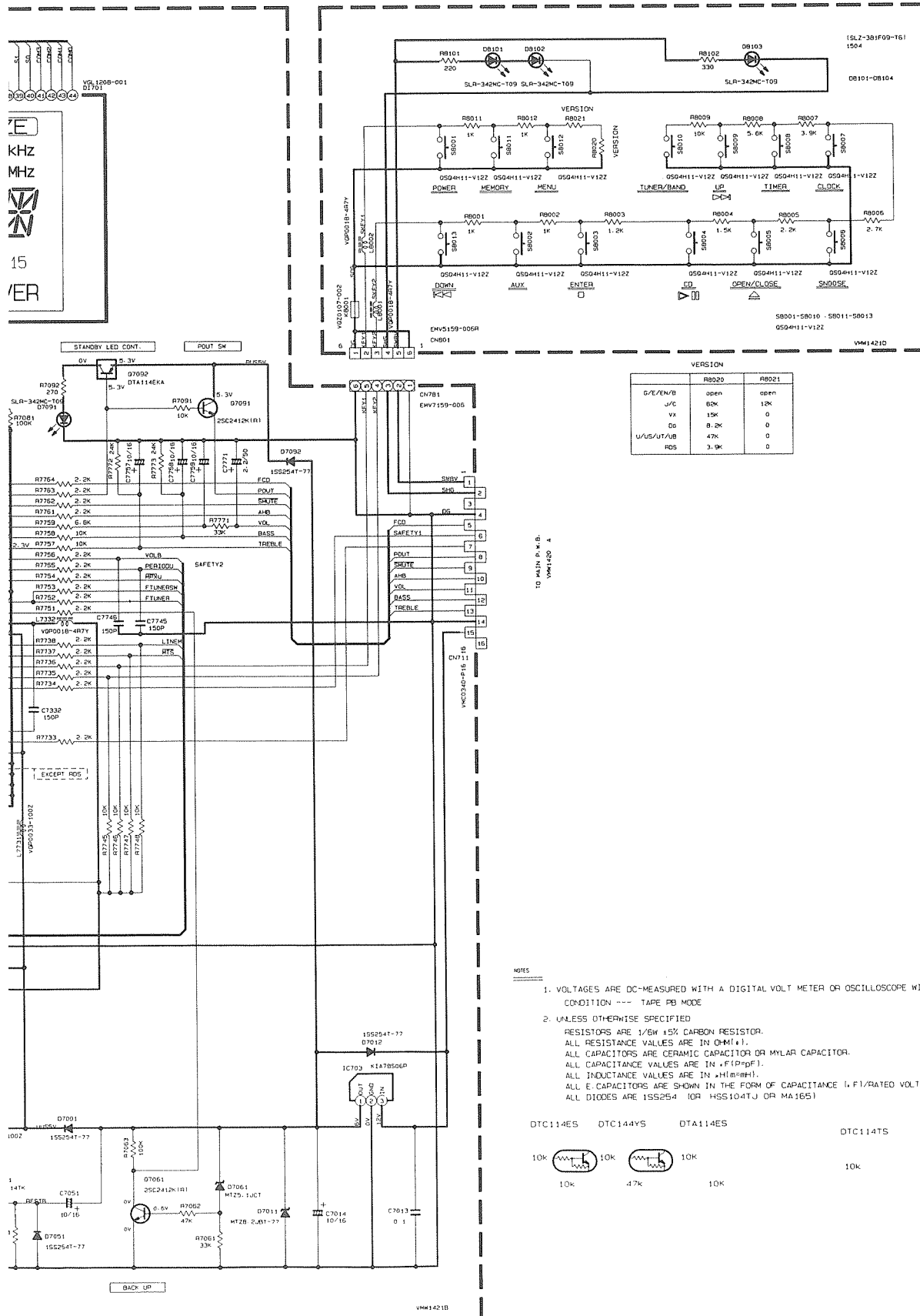
6

7

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9

10



NOTES

- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION --- TAPE FB MODE
- UNLESS OTHERWISE SPECIFIED
RESISTORS ARE 1/8W ±5% CARBON RESISTOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL CAPACITANCE VALUES ARE IN nF(pF).
ALL INDUCTANCE VALUES ARE IN mH(mH).
ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (nF)/RATED VOLTAGE (V).
ALL DIODES ARE 1SS254 (OR HSS104TJ OR MA165)

DTC114ES DTC144YS DTA114ES

DTC114TS DTC144TS

10k 10k

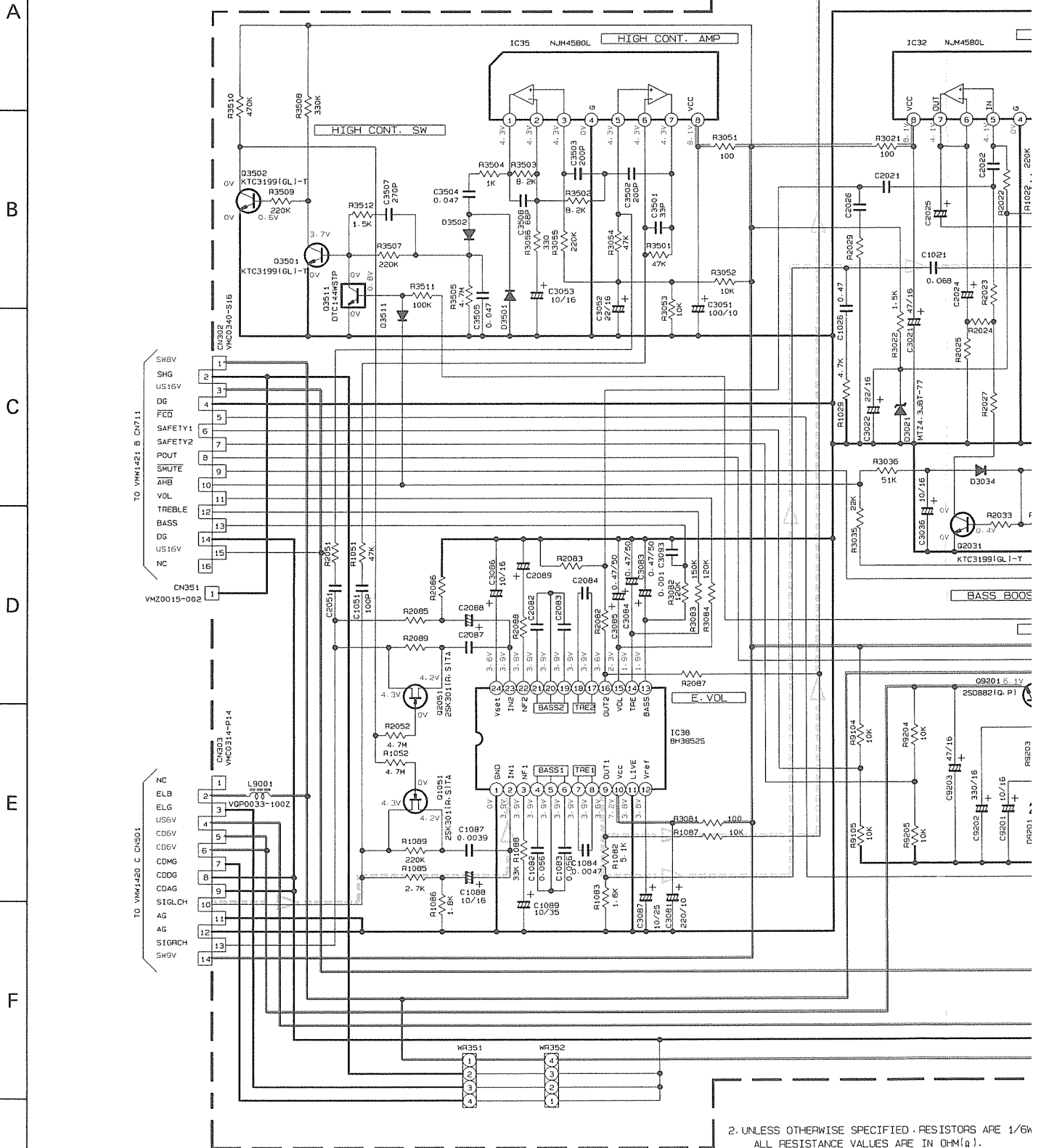
10k 47k

10k

10k

47k

Power Supply & Power Amplifier Circuit : Drawing No. VDH9291-008AV



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION — FUNC. CD STOP MODE

2. UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/6W
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR
ALL CAPACITANCE VALUES ARE IN, F(P=pF).
ALL INDUCTANCE VALUES ARE IN, H(m=mH).
ALL E. CAPACITORS ARE SHOWN IN THE FORM OF C/
ALL DIODES ARE HSS104TJ OR 1SS254T-77

Note : VDH9291008AV

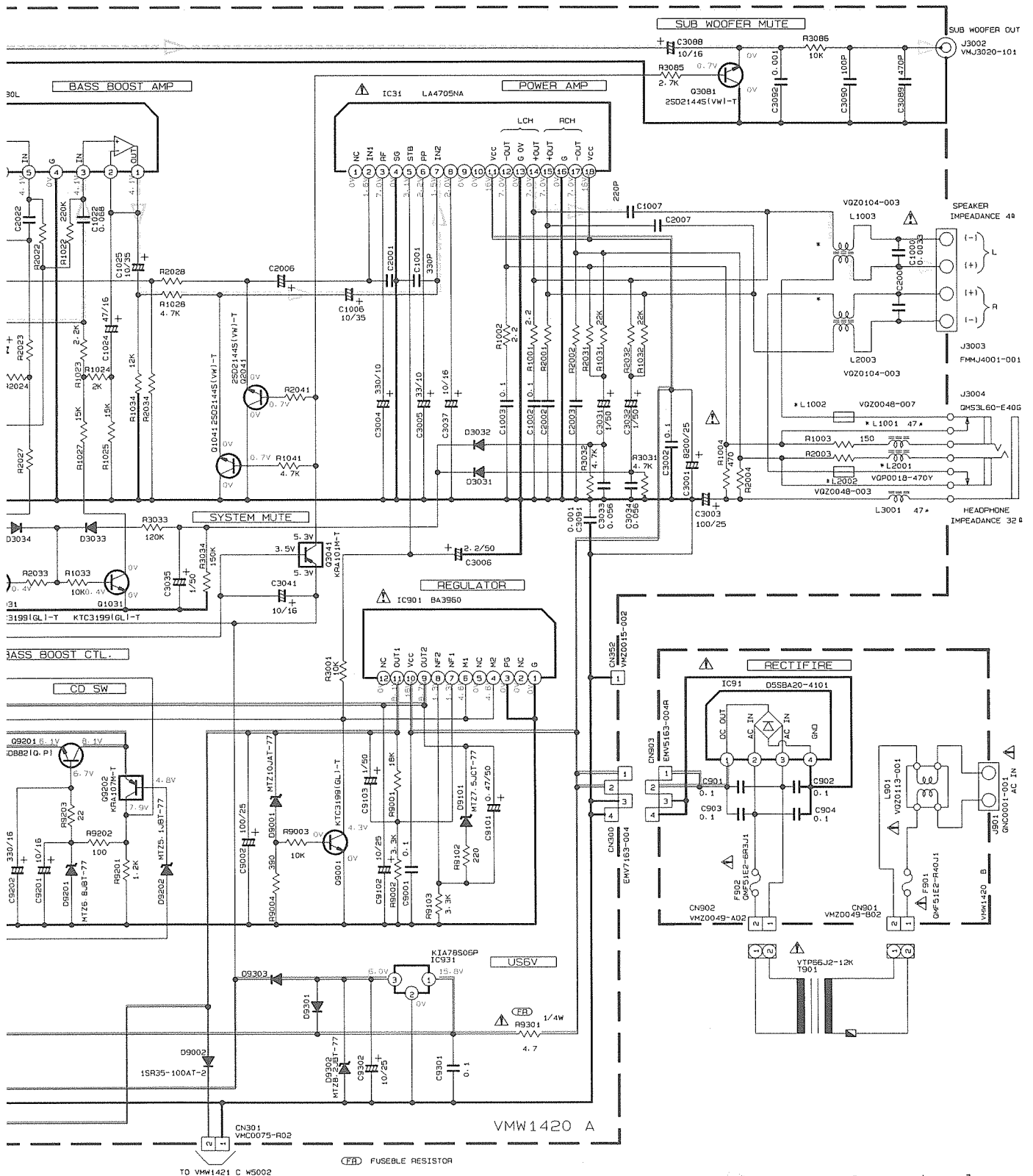
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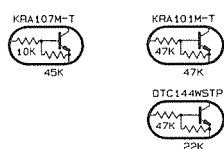
8

9

10



5 ARE 1/6W ±5% CARBON RESISTOR.
 1).
 OR OR MYLAR CAPACITOR.
 (pF).
 mH).
 FORM OF CAPACITANCE (F)/RATED VOLTAGE (V).
 254T-77



12. Location of P. C. Board Parts

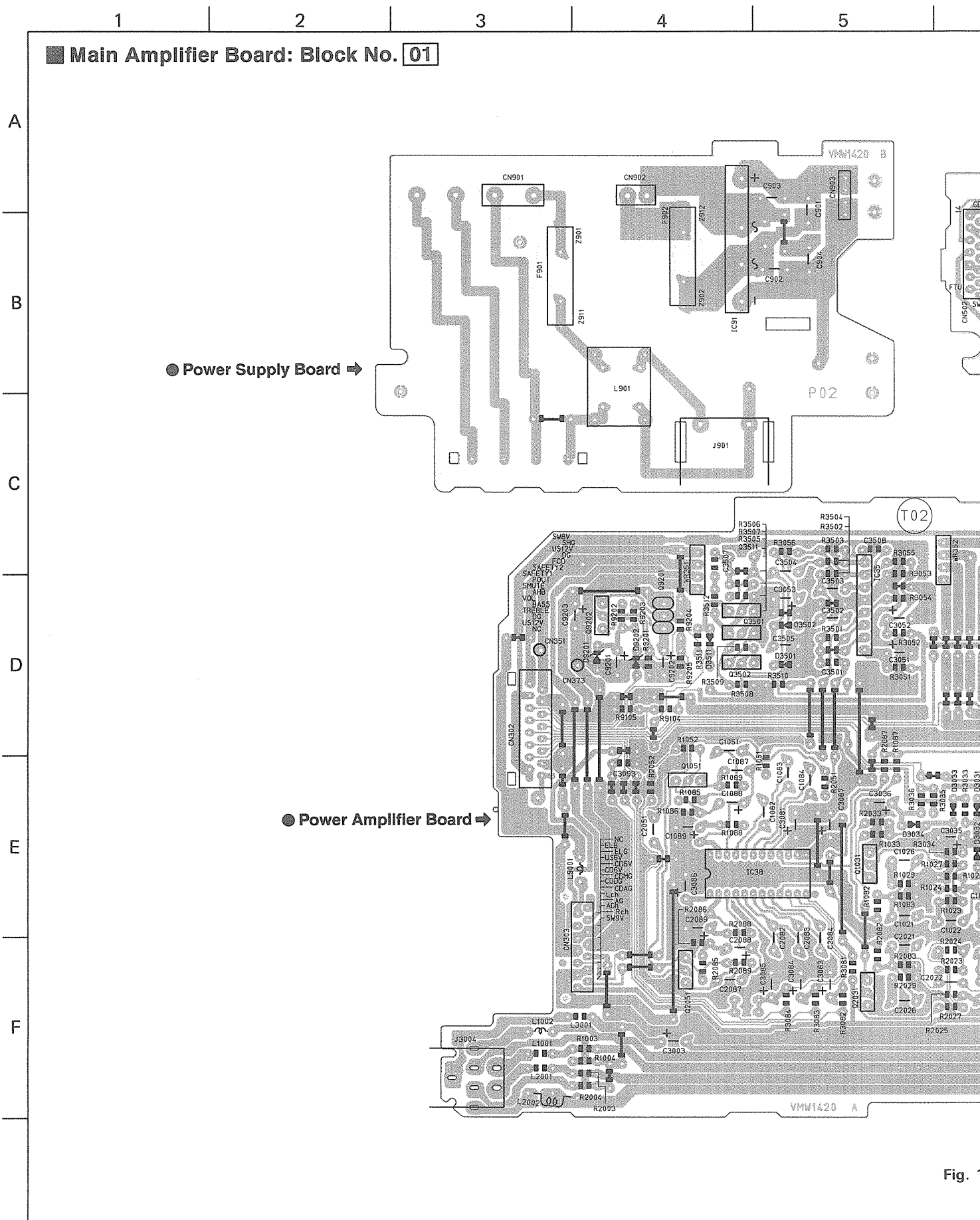
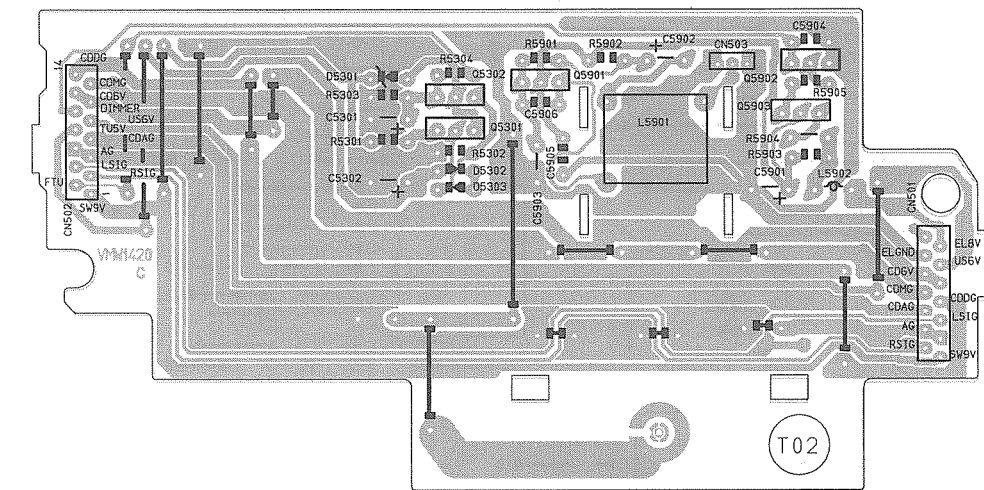
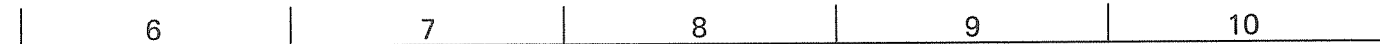


Fig. 1



← ● Tuner Switch & EL Drive Board

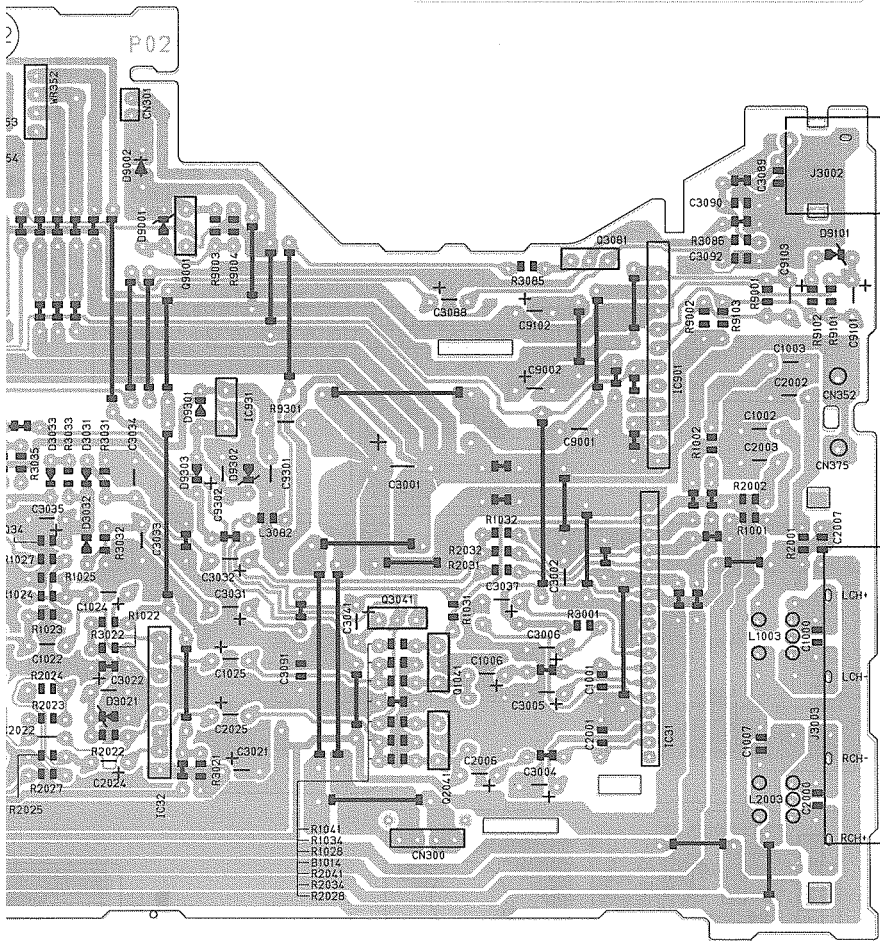


Fig. 12-1

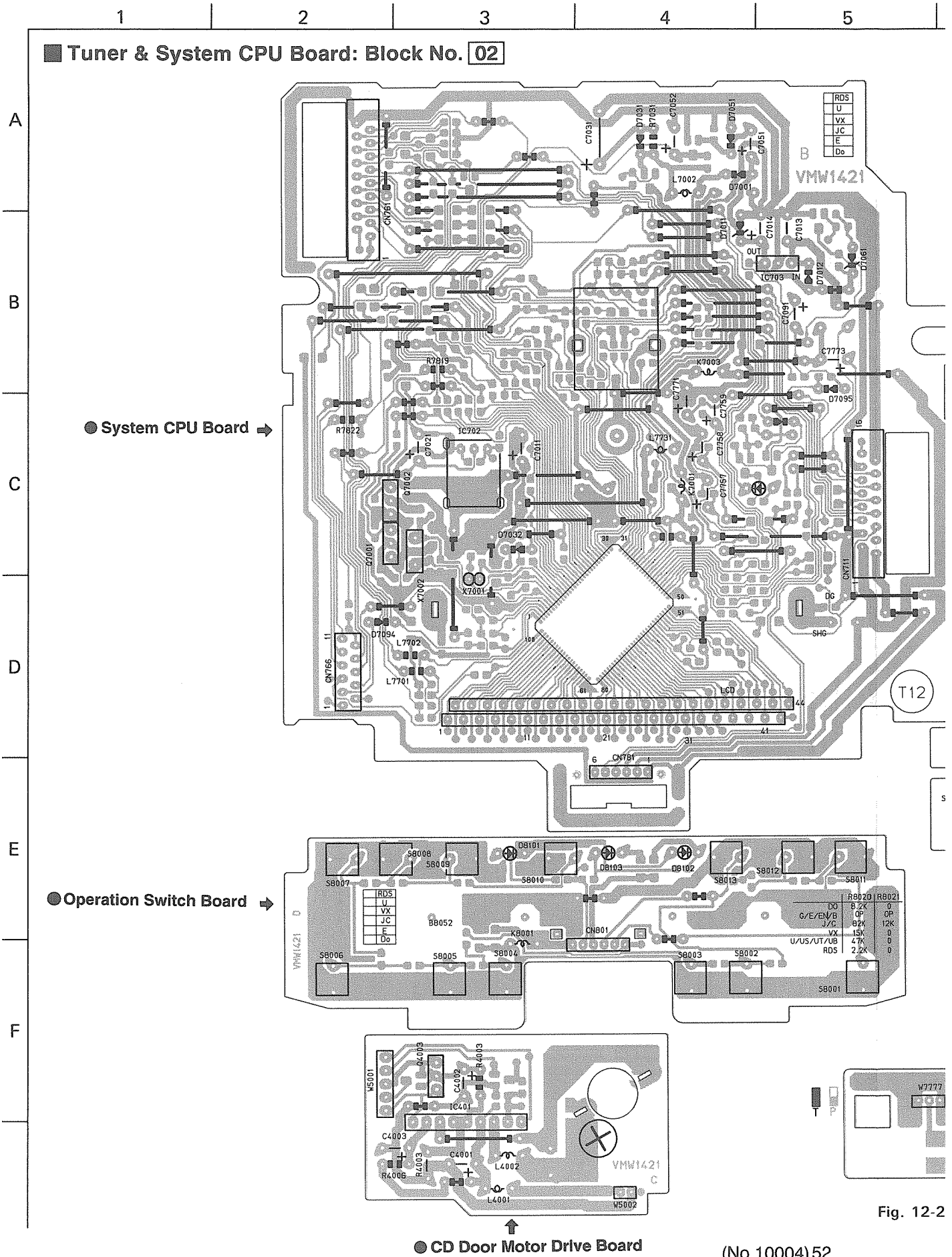


Fig. 12-2

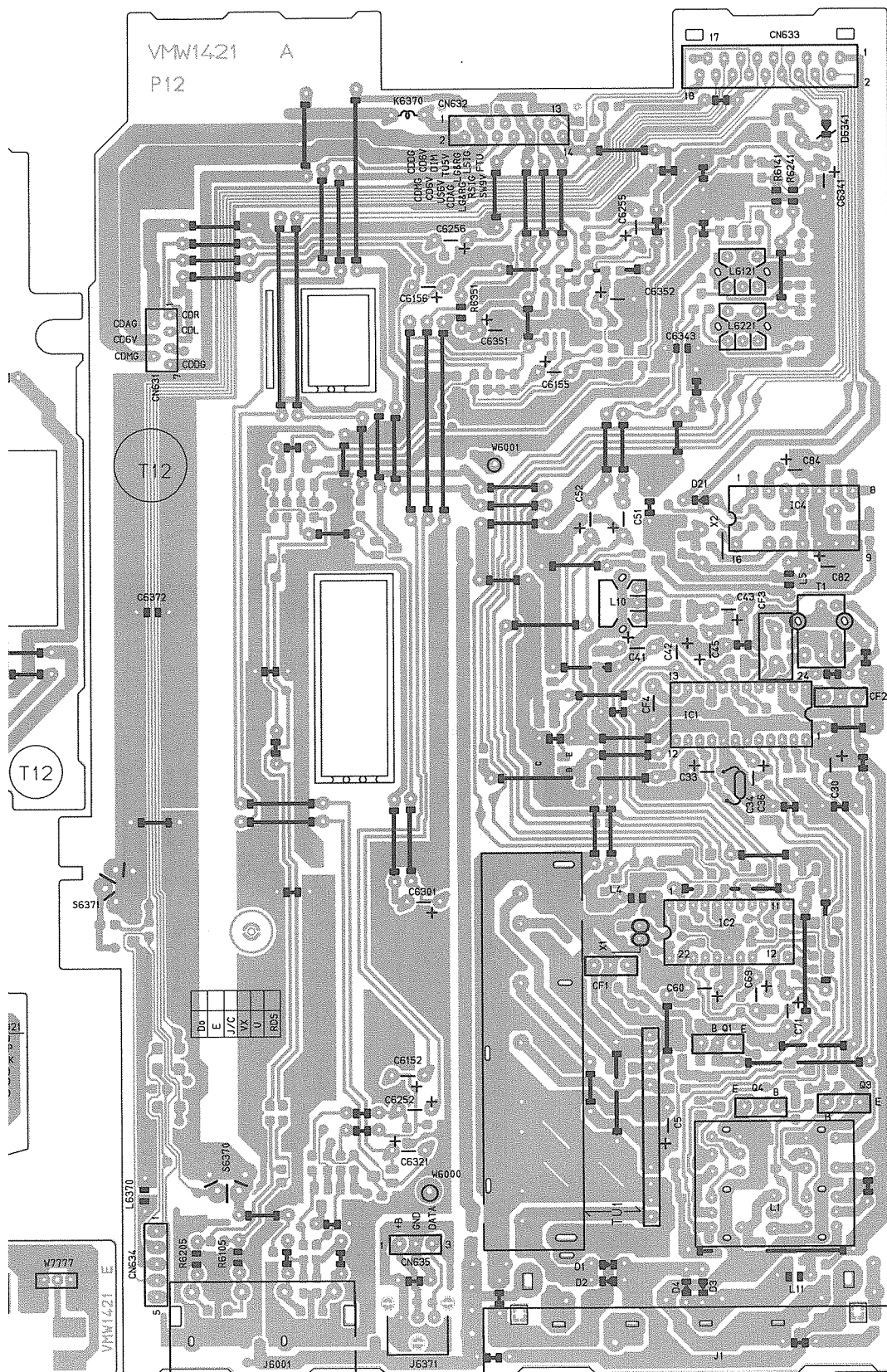
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7

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10



← ● Tuner Function Board

■ CD Servo Control Board : Block No. 03

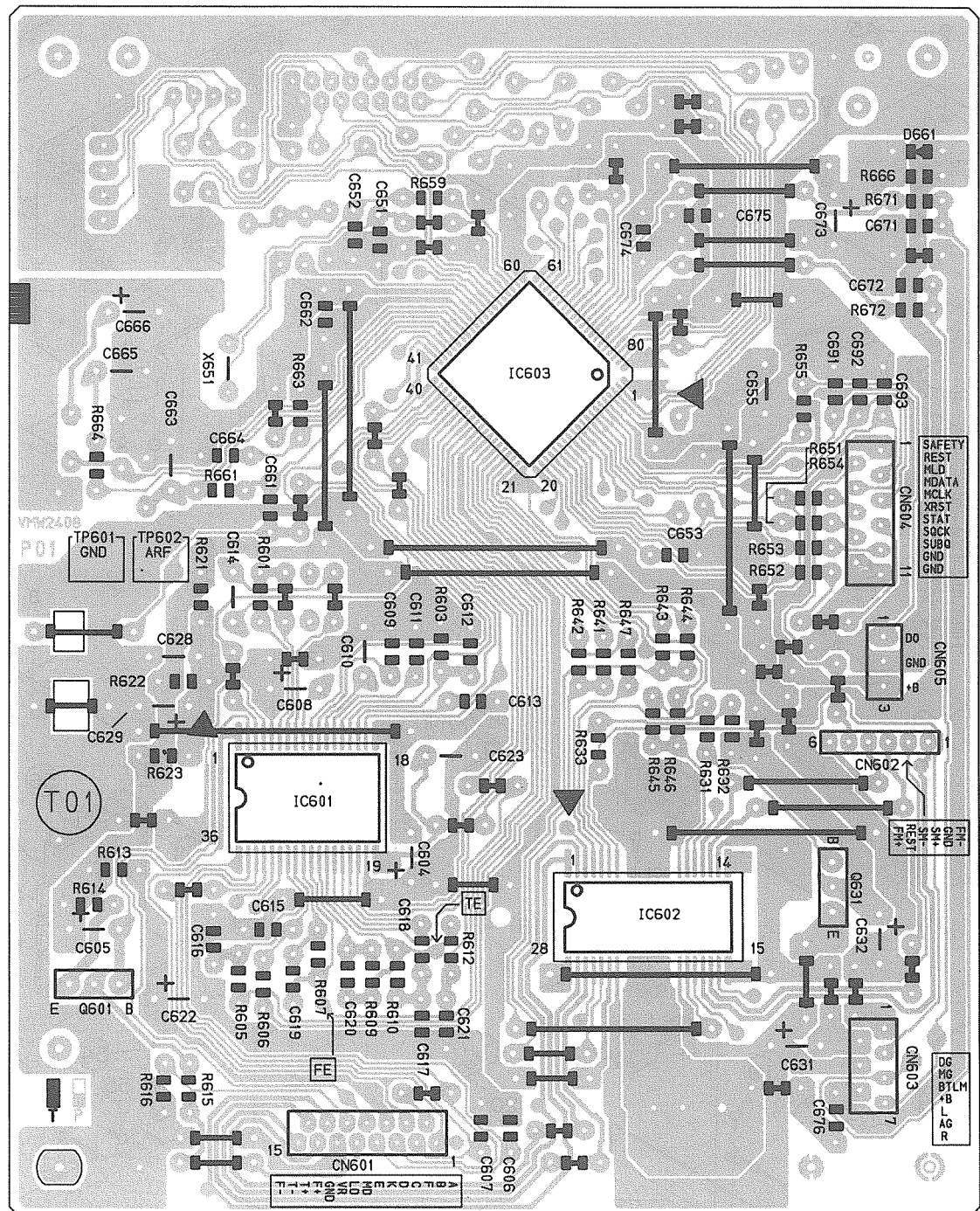
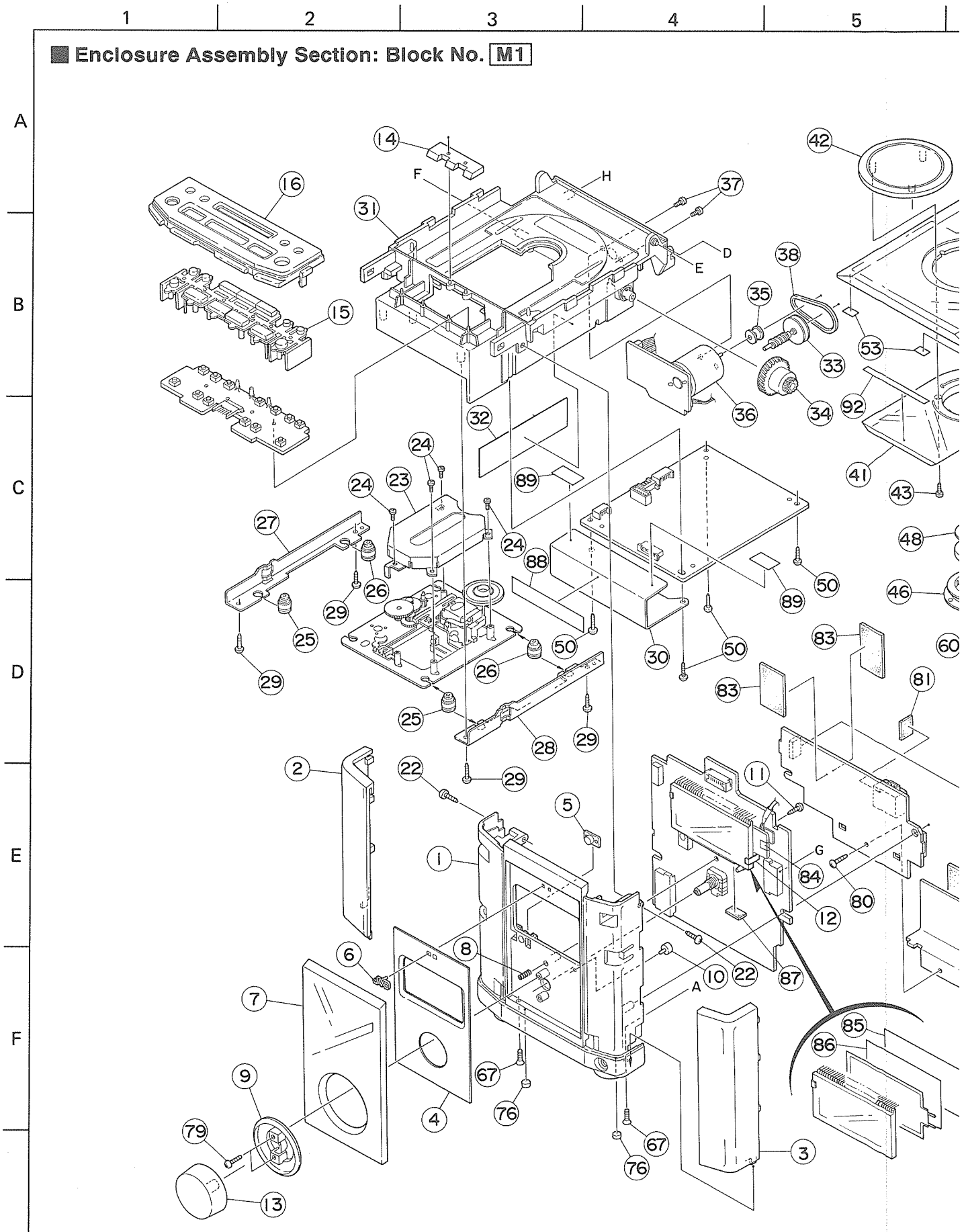


Fig. 12-3

6	7	8	9	10
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13. Analytic Drawing and Parts List



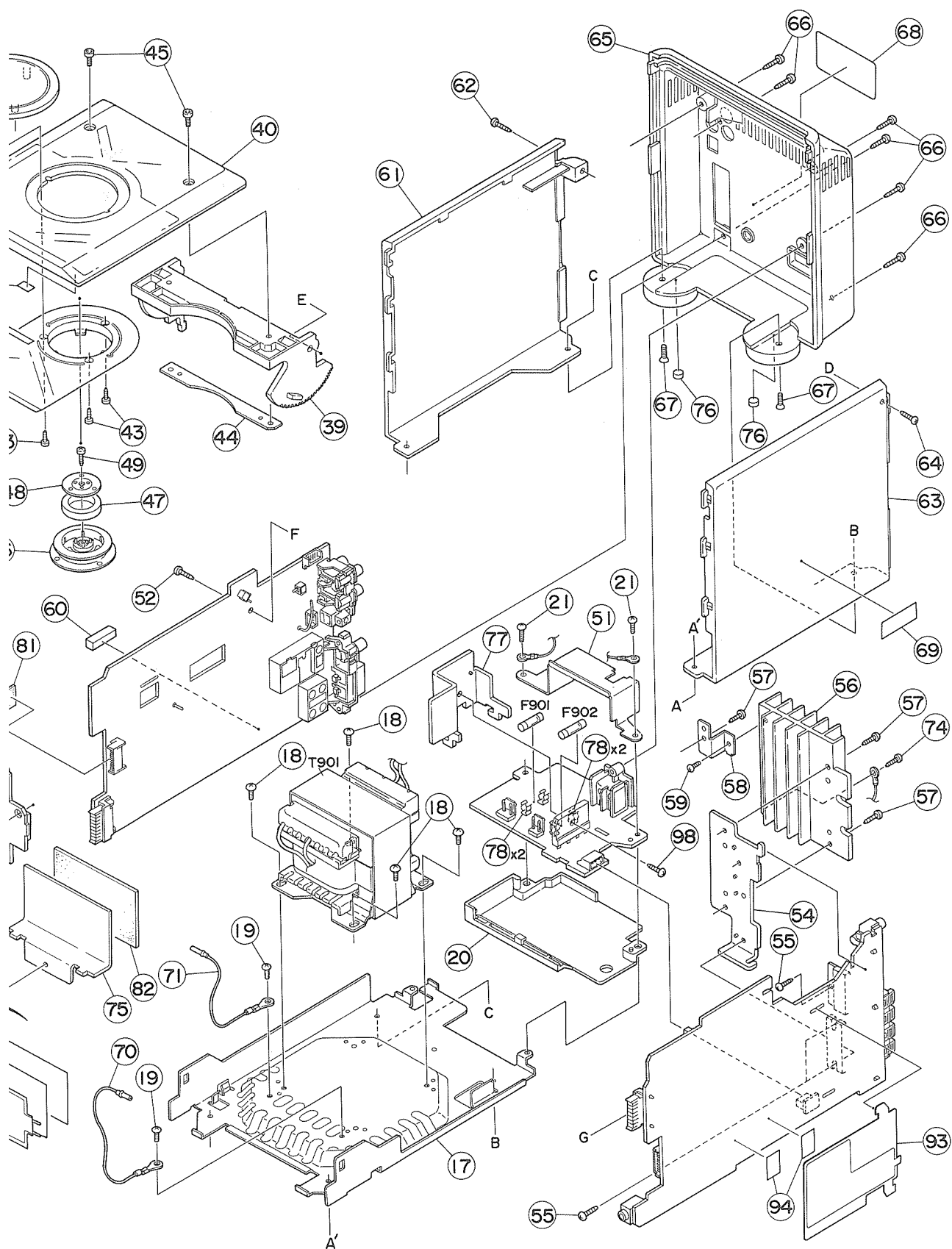
6

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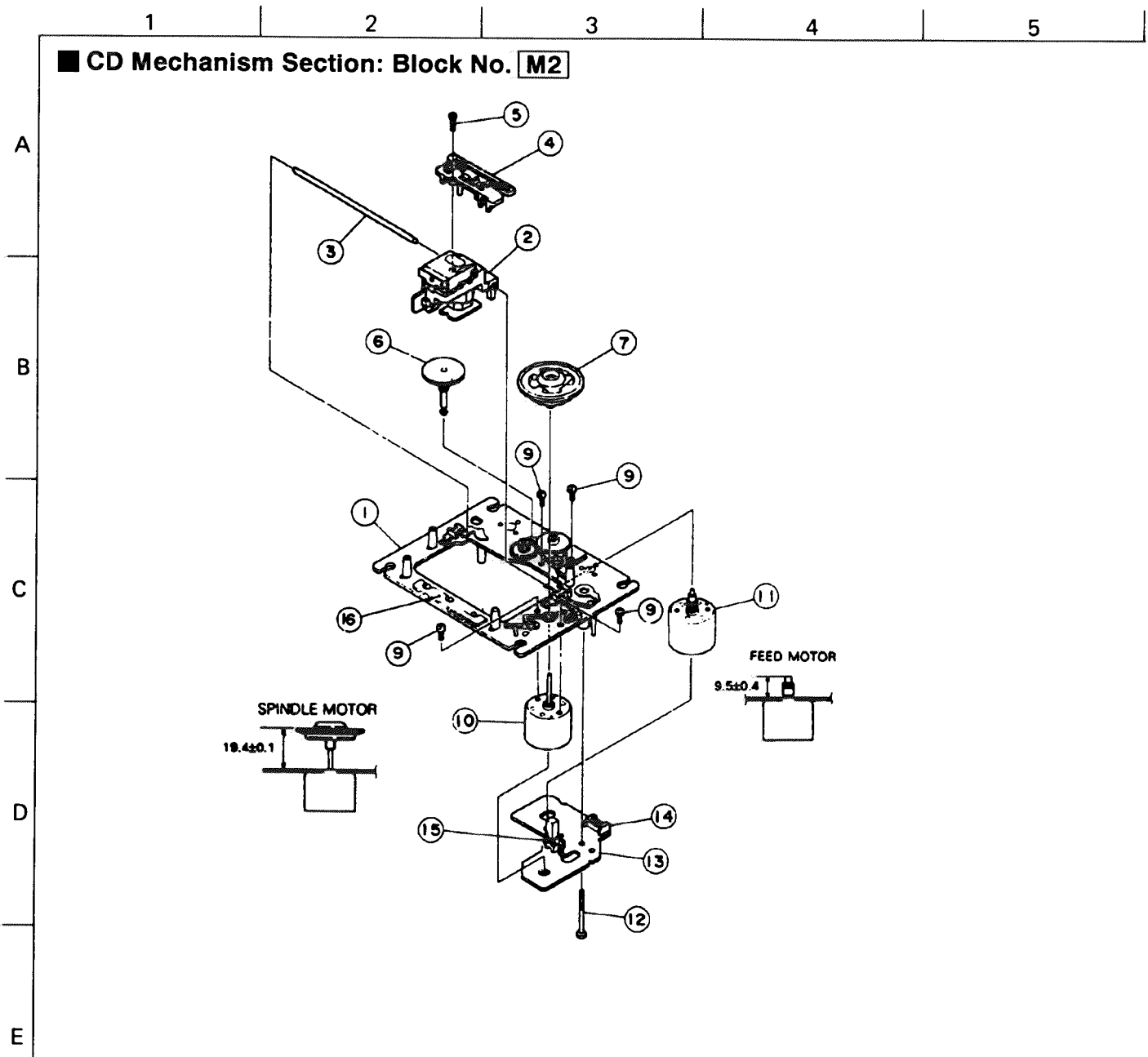
■ Enclosure Assembly Parts List

BLOCK NO. M1MM

REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
1	VJG1426-007	FRONT PANEL		1		
2	VJE3006-001	FITTING (L)		1		
3	VJE3007-001	FITTING (R)		1		
4	VJD5492-003	PLATE		1		
5	E408131-001	REMOTE LENS		1		
6	E406971-221	JVC MARK		1		
7	VJK3699-001	FRONT LENS		1		
8	VKW3001-321	COMP. SPRING		1		
9	VJD5491-001	VOL ESCUTCHEON		1		
10	VJK4493-001SC	LENS(STANDBY)		1		
11	SBSF3012Z	SCREW	PWB + FRONT	1		
12	VYH3944-002	LCD HOLDER		1		
13	VXL4448-001	VOLUME KNOB		1		
14	VJK4490-001SC	LED LENS		1		
15	VXP3807-002SC	BUTTON		1		
16	VJD2470-003	TOP PANEL		1		
17	VKL1444-001	BOTTOM CHASSIS		1		
18	SBST4006Z	SCREW	FOR TRANS	4		
19	SBST3004Z	SCREW	FOR BOTTOM SHAS	2		
20	VYH3939-001SC	AC HOLDER		1		
21	SBST3008Z	SCREW	AC PWB+BARRIER	2		
22	SBSF3012Z	SCREW	FOR FRONT PANEL	2		
23	VJD5410-005	PICK COVER		1		
24	SDSF2006M	SCREW		4		
25	E75609-001	INSULATOR		2		
26	E75609-002	INSULATOR		2		
27	VYH8089-001	CD MECHA HOLDER		1		
28	VYH8089-002	CD MECHA HOLDER		1		
29	SBSF3012Z	SCREW	CD MECHA HOLDER	4		
30	VMA4692-002	SHIELD		1		
31	VJD1210-002	CD CASE		1		
32	E406709-001	LASER CAUTION		1		
33	VYH8090-001SC	GEAR 1		1		
34	VYH8091-002SC	GEAR 2		1		
35	VYH7699-001	PULLEY		1		
36	MXN-13FB12F	DC MOTOR ASS'Y		1		
37	SPSP3004Z	SCREW		2		
38	VKB3000-170	BELT		1		
39	VJE3014-001SC	CD DOOR		1		
40	VJE3011-001	CD DOOR LENS		1		
41	VJK3701-001SC	ILLUMI LENS		1		
42	VJD5489-002	ORNAMENT		1		
43	SDSF2006M	SCREW	FOR ILLUMI LENS	3		
44	VJD5490-001SC	STOPPER		1		
45	VKZ4765-001	S.BOLT(DIN)		2		
46	VYH3726-001SS	CLAMPER		1		
47	VYH7313-003	MAGNET		1		
48	VYH7677-201	YOKE		1		
49	SDSF2606Z	SCREW	FOR CLAMPER	1		
50	SBSF3012Z	SCREW	CD CASE + CD PW	4		
51	VMA4701-001	BARRIER	AC PWB	1		
52	SBSF3012Z	SCREW	FOR TU PWB	1		
53	VYSS1R1-108	SPACER	FOR DOOR LENS	2		
54	VYH8093-001SC	IC HOLDER		1		
55	SBSF3010Z	SCREW	HOR IC HOLDER	3		

BLOCK NO. **M1MM**

REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
56	VMH3017-001	HEAT SINK		1		
57	SBSF3012Z	SCREW	H.SINK+IC HOL,C	3		
58	VYH8107-001	BRACKET	FOR H.SINK	1		
59	SBST3008Z	SCREW	H.SINK+BRACKET	1		
60	VYSH104-047	SPACER	FOR TU PWB	1		
61	VJD2471-001	SIDE PANEL (L)		1		
62	SBSF3012Z	SCREW	SIDE PANEL(L)	1		
63	VJD2472-001	SIDE PANEL (R)		1		
64	SBSF3012Z	SCREW	SIDE PANEL(R)	1		
65	VJG1430-005	REAR COVER		1		
66	SBSF3012Z	SCREW	REAR COVER	6		
67	SSST3010Z	SCREW	BOTTOM	4		
68	VYN9292-C102	NAME PLATE		1	B	
	VNY9292-C105	NAME PLATE		1	E,EN	
	VNY9292-C108	NAME PLATE		1	G	
69	E70891-001	CLASS 1 LABEL		1		
70	VWE240-12NTSA	WIRE	FOR BOTTOM SHAS	1		
71	VWE240-10NTSA	WIRE	FOR BOTTOM SHAS	1		
74	SBSF3012Z	SCREW	H.SINK + WIRE	1		
75	VMA4706-002	SHIELD	FOR LCD PWB	1		
76	VJF4055-001	FOOT		4		
77	VYH8094-002SC	HEAT SINK		1		
78	EMG7331-003Z	FUSE CLIP	FOR F901,F902	4		
79	SBSF3012Z	SCREW	FOR VOL ESCUTC.	2		
80	SBSF3010Z	SCREW	FOR LCD PWB	1		
81	VYSR102-062	SPACER	FOR LCD PWB	1		
82	VYSR102-063	SPACER	FOR LCD SHIELD	1		
83	VYSR102-066	SPACER	FOR LCD PWB	2		
84	PU59915-105	SPACER	FOR EL	1		
85	VYSS1R1-109	SPACER	FOR EL	1		
86	VYSS1R1-110	SPACER	FOR EL	1		
87	VYSS1R5-080	SPACER	FOR LCD	1		
92	VYST1R1-003	SPACER	FOR ILLUMI LENS	1		
93	VMA4702-002	SHIELD	MAIN PWB	1		
94	PU59915-105	SPACER	MAIN PWB	2		
88	VYSA1R4-050	SPACER	FOR SHIELD	1		
89	VYSA1R6-021	SPACER	FOR SHIELD	2		
98	SBSF3010Z	SCREW	FOR HEAT SINK	1		
F 901	QMF51E2-R40SBS	FUSE	PRI	1		
F 902	QMF51E2-6R3J1	FUSE	SEC	1		
T 901	VTP66J2-12K	POWER TRANS				


CD Mechanism Parts List

BLOCK NO. M2MM

REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
1	EPB-002A	BASE ASS'Y		1		
2	OPTIMA-6S	PIC-UP		1		
3	E406777-001	GUIDE SHAFT		1		
4	E307746-001	CD RACK		1		
5	SDSF2006Z	SCREW	CD LACK ASS'Y	1		
6	EPB-003A	MECHA GIAR		1		
7	E75807-301	CD T.TABLE ASSY		1		
9	SDSP2003N	SCREW	FOR MOTOR	4		
10	E406783-001	SP MOTOR	SPINDL MOTOR	1		
11	E406784-001SA	DC MOTOR ASS'Y	FEED MOTOR	1		
12	E75832-001	S.SCREW	M.REAF SWITCH	1		
13	EMW10190-001	BOARD	LEAF SWITCH	1		
14	EMV5109-006B	6P PLUG ASSY		1		
15	ESB1100-005	LEAF SWITCH		1		
16	E407212-001	DAMPER		1		

14. Electrical Parts

Main Amplifier Board

		BLOCK NO. 01		BLOCK NO. 01	
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	
C 901	QF1C1HJ-1042M	M.CAPACITOR	.10MF 5% 50V		
C 902	QF1C1HJ-1042M	M.CAPACITOR	.10MF 5% 50V		
C 903	QF1C1HJ-1042M	M.CAPACITOR	.10MF 5% 50V		
C 904	QF1C1HJ-1042M	M.CAPACITOR	.10MF 5% 50V		
CN300	EMV163-004	CONNECTOR			
CN301	VMC0075-002	CONNECTOR	CD DOOR		
CN302	VMC0340-S16	CONNECTOR	MICOM		
CN303	VMC0314-P14	CONNECTOR	ELTUT/CONN		
CN351	VMZ0015-002	POST PIN	SHASSIS EARTH		
CN352	VMZ0015-002	POST PIN	SHASSIS EARTH		
CN371	VMZ0015-011	STYLE PIN	WR352 WIRE CLAM		
CN373	VMZ0015-011	STYLE PIN	CN351 S WIRE CL		
CN375	VMZ0015-011	STYLE PIN	CN352 WIRE CLAM		
CN501	VMC0314-S14	CONNECTOR			
CN502	VMC0314-S14	CONNECTOR			
CN503	VMC0075-003	CONNECTOR			
CN901	VMZ0049-B02	CONNECTOR	PRI		
CN902	VMZ0049-A02	CONNECTOR	SEC		
CN903	EMV5163-004R	CONNECTOR	MAIN		
C1000	QF1C1HJ-1042M	C.CAPACITOR	3300PF 20% 16V		
C1001	QF1C1HJ-1042M	C.CAPACITOR	330PF 10% 50V		
C1002	QF1C1HJ-1042M	C.CAPACITOR	.10MF 20% 25V		
C1003	QF1C1HJ-1042M	C.CAPACITOR	.10MF 20% 25V		
C1006	QF1C1HJ-1042M	E.CAPACITOR	.10MF 20% 25V		
C1007	QF1C1HJ-1042M	C.CAPACITOR	220PF 10% 50V		
C1021	QF1C1HJ-1042M	M.CAPACITOR	.068MF 5% 50V		
C1022	QF1C1HJ-1042M	M.CAPACITOR	.068MF 5% 50V		
C1024	QF1C1HJ-1042M	E.CAPACITOR	.068MF 5% 50V		
C1025	QF1C1HJ-1042M	E.CAPACITOR	.068MF 5% 50V		
C1026	QF1C1HJ-1042M	FILM CAPACITOR	.47MF 5% 50V		
C1081	QF1C1HJ-1042M	C.CAPACITOR	100PF 5% 50V		
C1082	QF1C1HJ-1042M	M.CAPACITOR	.056MF 5% 50V		
C1083	QF1C1HJ-1042M	M.CAPACITOR	.056MF 5% 50V		
C1084	QF1C1HJ-1042M	M.CAPACITOR	.4700PF 5% 50V		
C1087	EF10101-392S	P.P.CAPACITOR			
C1088	QF1C1HJ-1042M	E.CAPACITOR	.47MF 5% 50V		
C1089	QF1C1HJ-1042M	E.CAPACITOR	100PF 5% 50V		
C2000	QF1C1HJ-1042M	C.CAPACITOR	.056MF 5% 50V		
C2001	QF1C1HJ-1042M	C.CAPACITOR	.056MF 5% 50V		
C2002	QF1C1HJ-1042M	C.CAPACITOR	.4700PF 5% 50V		
C2003	QF1C1HJ-1042M	C.CAPACITOR	.10MF 20% 25V		
C2006	QF1C1HJ-1042M	E.CAPACITOR	.10MF 20% 25V		
C2007	QF1C1HJ-1042M	E.CAPACITOR	220PF 10% 50V		
C2021	QF1C1HJ-1042M	M.CAPACITOR	.068MF 5% 50V		
C2022	QF1C1HJ-1042M	M.CAPACITOR	.068MF 5% 50V		
C2024	QF1C1HJ-1042M	E.CAPACITOR	.068MF 5% 50V		
C2025	QF1C1HJ-1042M	E.CAPACITOR	.47MF 5% 50V		
C2026	QF1C1HJ-1042M	FILM CAPACITOR	100PF 5% 50V		
C2051	QF1C1HJ-1042M	C.CAPACITOR	.056MF 5% 50V		
C2082	QF1C1HJ-1042M	M.CAPACITOR	.056MF 5% 50V		
C2083	QF1C1HJ-1042M	M.CAPACITOR	.056MF 5% 50V		
C2084	QF1C1HJ-1042M	M.CAPACITOR	.4700PF 5% 50V		
C2087	EF10101-392S	P.P.CAPACITOR	ONHITU		
C2088	QF1C1HJ-1042M	E.CAPACITOR	.47MF 20% 16V		
C2089	QF1C1HJ-1042M	E.CAPACITOR	.10MF 5% 50V		
C3001	QF1C1HJ-1042M	E.CAPACITOR	8200MF 20% 25V		
C3002	QF1C1HJ-1042M	FILM CAPACITOR	.10MF 5% 50V		
C3003	QF1C1HJ-1042M	E.CAPACITOR	100MF 20% 25V		
C3004	QF1C1HJ-1042M	E.CAPACITOR	33MF 20% 10V		
C3006	QF1C1HJ-1042M	E.CAPACITOR	2.2MF 20% 50V		
C3021	QF1C1HJ-1042M	E.CAPACITOR	47MF 20% 16V		
C3022	QF1C1HJ-1042M	E.CAPACITOR	1.0MF 20% 50V		
C3031	QF1C1HJ-1042M	E.CAPACITOR	1.0MF 20% 50V		
C3032	QF1C1HJ-1042M	E.CAPACITOR	1.0MF 20% 50V		
C3033	QF1C1HJ-1042M	FILM CAPACITOR	.056MF 5% 50V		
C3034	QF1C1HJ-1042M	FILM CAPACITOR	.056MF 5% 50V		
C3035	QF1C1HJ-1042M	E.CAPACITOR	1.0MF 20% 50V		
C3036	QF1C1HJ-1042M	E.CAPACITOR	1.0MF 20% 16V		
C3037	QF1C1HJ-1042M	E.CAPACITOR	1.0MF 20% 16V		
C3041	QF1C1HJ-1042M	E.CAPACITOR	10MF 20% 16V		
C3051	QF1C1HJ-1042M	E.CAPACITOR	100MF 20% 10V		
C3052	QF1C1HJ-1042M	E.CAPACITOR	22MF 20% 16V		
C3053	QF1C1HJ-1042M	E.CAPACITOR	10MF 20% 16V		
C3081	QF1C1HJ-1042M	E.CAPACITOR	220MF 20% 10V		
C3083	QF1C1HJ-1042M	E.CAPACITOR	.47MF 20% 50V		
C3084	QF1C1HJ-1042M	E.CAPACITOR	.47MF 20% 50V		
C3085	QF1C1HJ-1042M	E.CAPACITOR	.47MF 20% 50V		
C3086	QF1C1HJ-1042M	E.CAPACITOR	.47MF 20% 50V		
C3087	QF1C1HJ-1042M	E.CAPACITOR	10MF 20% 25V		
C3088	QF1C1HJ-1042M	E.CAPACITOR	10MF 20% 16V		
C3089	QF1C1HJ-1042M	C.CAPACITOR	470PF 10% 50V		
C3090	QF1C1HJ-1042M	C.CAPACITOR	100PF 10% 50V		
C3091	QF1C1HJ-1042M	C.CAPACITOR	1000PF 10% 50V		
C3092	QF1C1HJ-1042M	C.CAPACITOR	FTZ		
C3093	QF1C1HJ-1042M	C.CAPACITOR	FTZ		
C3501	QF1C1HJ-1042M	C.CAPACITOR	33PF 5% 50V		
C3502	QF1C1HJ-1042M	C.CAPACITOR	200PF 5% 50V		
C3503	QF1C1HJ-1042M	C.CAPACITOR	200PF 5% 50V		
C3504	QF1C1HJ-1042M	M.CAPACITOR	.047MF 5% 50V		
C3505	QF1C1HJ-1042M	M.CAPACITOR	.047MF 5% 50V		
C3507	QF1C1HJ-1042M	C.CAPACITOR	270PF 10% 50V		
C3508	QF1C1HJ-1042M	C.CAPACITOR	68PF 5% 50V		
C3509	QF1C1HJ-1042M	C.CAPACITOR	TU SW		
C3501	QF1C1HJ-1042M	C.CAPACITOR	TU SW		
C3502	QF1C1HJ-1042M	C.CAPACITOR	TU SW		
C5901	QF1C1HJ-1042M	E.CAPACITOR	220MF 20% 16V		
C5902	QF1C1HJ-1042M	E.CAPACITOR	6.8MF 20% 25V		
C5903	QF1C1HJ-1042M	M.CAPACITOR	.033MF 5% 50V		
C5904	QF1C1HJ-1042M	C.CAPACITOR	.010MF 20% 16V		
C5905	QF1C1HJ-1042M	C.CAPACITOR	.010MF 20% 16V		
C5906	QF1C1HJ-1042M	C.CAPACITOR	1000PF 10% 50V		
C9001	QF1C1HJ-1042M	FILM CAPACITOR	.10MF 5% 50V		
C9002	QF1C1HJ-1042M	E.CAPACITOR	100MF 20% 25V		
C9101	QF1C1HJ-1042M	E.CAPACITOR	.47MF 20% 50V		
C9102	QF1C1HJ-1042M	E.CAPACITOR	10MF 20% 25V		
C9103	QF1C1HJ-1042M	E.CAPACITOR	1.0MF 20% 50V		
C9201	QF1C1HJ-1042M	E.CAPACITOR	10MF 20% 16V		
C9202	QF1C1HJ-1042M	E.CAPACITOR	330MF 20% 16V		
C9203	QF1C1HJ-1042M	E.CAPACITOR	.47MF 20% 16V		
C9301	QF1C1HJ-1042M	M.CAPACITOR	.10MF 5% 50V		

BLOCK NO. 01

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
G5901	2SD2144S(VW)	TRANSISTOR	FOR DIMMER	
G5902	KRC102M-T	D-TRANSISTOR		
G5903	2SA952(L-K)	TRANSISTOR		
G9001	KTC3199(GL)-T	TRANSISTOR		
G9202	2SD882(P,Q)	TRANSISTOR		
R1001	KRA107M-T	CARBON RESISTOR	2.2 5% 1/6W	
R1002	QRD161J-2R2	CARBON RESISTOR	2.2 5% 1/6W	
R1003	QRD161J-2R2	CARBON RESISTOR	2.2 5% 1/6W	
R1004	QRD161J-151	CARBON RESISTOR	150 5% 1/6W	
R1022	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
R1023	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
R1024	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
R1025	QRD161J-202	CARBON RESISTOR	2.0K 5% 1/6W	
R1026	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
R1027	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
R1028	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R1029	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R1031	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R1032	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R1033	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R1034	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
R1041	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R1051	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R1052	QRD161J-475	CARBON RESISTOR	4.7M 5% 1/6W	
R1082	QRD161J-512	CARBON RESISTOR	5.1K 5% 1/6W	
R1083	QRD161J-162	CARBON RESISTOR	1.6K 5% 1/6W	
R1085	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W	
R1086	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W	
R1087	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R1088	QRD161J-333	CARBON RESISTOR	VOL IC GAIN +4D	
R1089	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
R2001	QRD161J-2R2	CARBON RESISTOR	2.2 5% 1/6W	
R2002	QRD161J-2R2	CARBON RESISTOR	2.2 5% 1/6W	
R2003	QRD161J-151	CARBON RESISTOR	150 5% 1/6W	
R2004	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
R2022	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
R2023	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
R2024	QRD161J-202	CARBON RESISTOR	2.0K 5% 1/6W	
R2025	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
R2027	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
R2028	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R2029	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R2031	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R2032	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R2033	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R2034	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
R2041	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R2051	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R2052	QRD161J-475	CARBON RESISTOR	4.7M 5% 1/6W	
R2082	QRD161J-512	CARBON RESISTOR	5.1K 5% 1/6W	
R2083	QRD161J-162	CARBON RESISTOR	1.6K 5% 1/6W	
R2085	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W	
R2086	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W	
R2087	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R2088	QRD161J-333	CARBON RESISTOR	VOL IC GAIN +4D	

BLOCK NO. 01

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
G9302	QET41EM-106	E CAPACITOR	10MF 20% 25V	
D3021	MTZ4.3JB	ZENER DIODE		
D3031	1SS133	SI DIODE		
D3032	1SS133	SI DIODE		
D3033	1SS133	SI DIODE		
D3034	1SS133	SI DIODE		
D3501	1SS133	SI DIODE		
D3502	1SS133	SI DIODE		
D3511	RB721Q	DIODE		
D3501	MTZ3.9JB	ZENER DIODE	TU SW	
D3502	1SS133	SI DIODE	TU SW	
D3503	1SS133	SI DIODE	TU SW	
D9001	MTZ10JAT-77	ZENER DIODE	STANDBY MOTOR	
D9002	1SR35-100A-12	SI DIODE		
D9101	MA4075(N)	ZENER DIODE		
D9201	MTZ6.8JB	ZENER DIODE		
D9202	MTZ5.1JB	ZENER DIODE		
D9301	1SS133	SI DIODE		
D9302	MTZ8.2JB	ZENER DIODE		
D9303	1SS133	SI DIODE		
A	IC 31 LA4705NA	IC	POWER AMP	
IC 32	NJM4580L	IC	AHB AMP	
IC 35	NJM4580L	IC	E VOL	
IC 38	BH3852S	IC	REG	
IC 91	D5SBA20-4101	SI DIODE		
A	IC901 BA3960	IC		
A	IC931 KIA78S06P-T	IC		
J 901	QNC0001-001	AC SOCKET 8TYPE		
J3002	VMJ3020-101	1PIN PINJ BLACK	SUB WOOFER	
J3003	FMJ4001-001	SPK TERMINAL	SPEAKER	
J3004	QMS3L60-E40G	3.5 JACK		
L 901	VQZ0113-001	INDUCTOR		
L1001	VQP0018-470	INDUCTOR		
L1002	VQZ0048-007	INDUCTOR		
L2001	VQP0104-003	INDUCTOR		
L2002	VQZ0048-003	INDUCTOR		
L2003	VQZ0104-003	INDUCTOR		
L3001	VQP0018-470	INDUCTOR		
L5901	VQH1009-042	OSC COIL(BIAS)		
L5902	VQP0033-1002	INDUCTOR		
L9001	VQP0033-1002	INDUCTOR	EL&MICON NOISE	
Q1031	KTC3199(GL)-T	TRANSISTOR		
Q1041	2SD2144S(VW)	TRANSISTOR		
Q1051	2SK301(P,Q)	TRANSISTOR		
Q2031	KTC3199(GL)-T	TRANSISTOR		
Q2041	2SD2144S(VW)	TRANSISTOR		
Q2051	2SK301(P,Q)	TRANSISTOR		
Q3041	KRA101M-T	TRANSISTOR		
Q3081	2SD2144S(VW)	TRANSISTOR	BASS MUTE	
Q3501	KTC3199(GL)-T	TRANSISTOR		
Q3502	KTC3199(GL)-T	TRANSISTOR		
Q3511	DTIC44WSTP	TRANSISTOR		
Q3501	KTA1267(YG)-T	TRANSISTOR	TU SW	
Q3502	KTC3199(GL)-T	TRANSISTOR	TU SW	

BLOCK NO. 01					
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	
R2089	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W		
R3001	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
R3021	QRD161J-101	CARBON RESISTOR	100 5% 1/6W		
R3022	QRD161J-152	CARBON RESISTOR	1.5K 5% 1/6W		
R3031	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W		
R3032	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W		
R3033	QRD161J-124	CARBON RESISTOR	120K 5% 1/6W		
R3034	QRD161J-154	CARBON RESISTOR	150K 5% 1/6W		
R3035	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W		
R3036	QRD161J-513	CARBON RESISTOR	51K 5% 1/6W		
R3051	QRD161J-101	CARBON RESISTOR	100 5% 1/6W		
R3052	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
R3053	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
R3054	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W		
R3055	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W		
R3056	QRD161J-331	CARBON RESISTOR	330 5% 1/6W		
R3081	QRD161J-101	CARBON RESISTOR	100 5% 1/6W		
R3082	QRD161J-124	CARBON RESISTOR	120K 5% 1/6W		
R3083	QRD161J-154	CARBON RESISTOR	150K 5% 1/6W		
R3084	QRD161J-124	CARBON RESISTOR	120K 5% 1/6W		
R3085	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W		
R3086	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
R3501	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W		
R3502	QRD161J-822	CARBON RESISTOR	8.2K 5% 1/6W		
R3503	QRD161J-822	CARBON RESISTOR	8.2K 5% 1/6W		
R3504	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W		
R3505	QRD161J-475	CARBON RESISTOR	4.7M 5% 1/6W		
R3507	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W		
R3508	QRD161J-334	CARBON RESISTOR	330K 5% 1/6W		
R3509	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W		
R3510	QRD161J-474	CARBON RESISTOR	470K 5% 1/6W		
R3511	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W		
R3512	QRD161J-152	CARBON RESISTOR	1.5K 5% 1/6W		
R5301	QRD161J-390	CARBON RESISTOR	TU SW		
R5302	QRD161J-102	CARBON RESISTOR	TU SW		
R5303	QRD161J-563	CARBON RESISTOR	TU SW		
R5304	QRD161J-472	CARBON RESISTOR	TU SW		
R5901	QRD161J-270	CARBON RESISTOR	27 5% 1/6W		
R5902	QRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W		
R5903	QRD161J-221	CARBON RESISTOR	220 5% 1/6W		
R5904	QR20077-330	F. RESISTOR	33 1/0W		
R5905	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W		
R9001	QRD161J-183	CARBON RESISTOR	18K 5% 1/6W		
R9002	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W		
R9003	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
R9004	QRD161J-391	CARBON RESISTOR	390 5% 1/6W		
R9102	QRD161J-221	CARBON RESISTOR	220 5% 1/6W		
R9103	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W		
R9104	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
R9105	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
R9201	QRD161J-122	CARBON RESISTOR	1.2K 5% 1/6W		
R9202	QRD161J-101	CARBON RESISTOR	100 5% 1/6W		
R9203	QRD161J-220	CARBON RESISTOR	22 5% 1/6W		
R9204	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
R9205	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		

BLOCK NO. 01					
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	
A R9301	QR20077-4R7X	FUSE RESISTOR	4.7 1/0W		

Tuner & System CPU Board

BLOCK NO. 02

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	B 109	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B 110	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B 111	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B 112	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B 113	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B 114	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B 115	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B 116	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B 117	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B 118	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B 119	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B 120	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	BL701	ESPR10001	EL PANEL YELLOW	LCD BACK LIGHT	
	B6001	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B6004	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B6005	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B6006	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B6007	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B6010	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B6012	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B6013	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B6053	NRS181J-ORONY	MG RESISTOR	5% 1/10W	
	B6054	NRS181J-ORONY	MG RESISTOR	5% 1/10W	
	B6056	NRS181J-ORONY	MG RESISTOR	5% 1/10W	
	B6057	NRS181J-ORONY	MG RESISTOR	5% 1/10W	
	B6058	NRS181J-ORONY	MG RESISTOR	5% 1/10W	
	B6059	NRS181J-ORONY	MG RESISTOR	5% 1/10W	
	B6060	NRS181J-ORONY	MG RESISTOR	5% 1/10W	
	B6061	NRS181J-ORONY	MG RESISTOR	5% 1/10W	
	B6062	NRS181J-ORONY	MG RESISTOR	5% 1/10W	
	B7001	NRS181J-ORONY	MG RESISTOR	5% 1/10W	
	B7002	NRS181J-ORONY	MG RESISTOR	5% 1/10W	
	B7003	NRS181J-ORONY	MG RESISTOR	5% 1/10W	
	B7022	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7023	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7024	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7025	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7026	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7027	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7028	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7029	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7030	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7032	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7033	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7034	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7035	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7036	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7037	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7042	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7046	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7047	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7048	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7049	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7050	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7051	NRS181J-ORONY	MG RESISTOR	5% 1/8W	

BLOCK NO. 02

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	B7052	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7054	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7055	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7064	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7065	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7066	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B7067	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B8052	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B8053	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B8054	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	B8055	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
	C 1	NCB21HK-103AY	C CAPACITOR	.022MF 10% 50V	
	C 2	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 3	NCB21HK-103AY	C CAPACITOR	.047MF 10% 25V	
	C 4	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 5	QEK41CM-106	E.CAPACITOR	10MF 20% 16V	
	C 8	NCB21HK-103AY	C CAPACITOR	15PF 5% 50V	
	C 9	NCB21HK-103AY	C CAPACITOR	1000PF 10% 50V	
	C 11	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 12	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 13	NCB21HK-103AY	C CAPACITOR	15PF +50:-10% 1	
	C 14	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 16	NCB21HK-103AY	C CAPACITOR	1000PF 10% 50V	
	C 17	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 19	NCB21HK-473AY	C CAPACITOR	470PF 10% 50V	
	C 21	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 30	QEK41CM-476	E.CAPACITOR	47MF 20% 16V	
	C 32	NCB21HK-390AY	C CAPACITOR	39PF 5% 50V	
	C 33	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
	C 34	QEK61AM-107Z	E.CAPACITOR	100MF 20% 10V	
	C 35	NCB21HK-150AY	C CAPACITOR	15PF 5% 50V	
	C 36	QEK41CM-106	E.CAPACITOR	10MF 20% 16V	
	C 37	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 39	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 40	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 41	QEK41HM-104	E.CAPACITOR	.10MF 20% 50V	
	C 42	QEK41HM-474	E.CAPACITOR	.47MF 20% 50V	
	C 43	QEK61HM-335ZN	E.CAPACITOR	3.3MF 20% 50V	
	C 44	NCB21HK-221AY	C CAPACITOR	220PF 5% 50V	
	C 45	QEK41CM-106	E.CAPACITOR	10MF 20% 16V	
	C 46	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V	
	C 47	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 49	NCB21HK-183AY	C CAPACITOR	.018MF 10% 50V	
	C 50	NCB21HK-183AY	C CAPACITOR	.018MF 10% 50V	
	C 51	QEK41HM-105	E.CAPACITOR	1.0MF 20% 50V	
	C 52	QEK41HM-105	E.CAPACITOR	1.0MF 20% 50V	
	C 53	NCB21HK-681AY	C CAPACITOR	680PF 10% 50V	
	C 55	NCB21HK-120AY	C CAPACITOR	12PF 5% 50V	
	C 60	QEK61AM-107Z	E.CAPACITOR	100MF 20% 10V	
	C 61	NCB21HK-120AY	C CAPACITOR	12PF 5% 50V	
	C 62	NCB21HK-120AY	C CAPACITOR	12PF 5% 50V	
	C 63	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 65	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
	C 66	NCB21HK-151AY	C CAPACITOR	150PF 5% 50V	

BLOCK NO. 02

BLOCK NO. 02

REF.	PARTS NO.	PARTS NAME	REMARKS	SUPPLX
C6341	GER41HM-105VM	E. CAPACITOR	1.0MF 20% 50V	
C6343	QCB81HK-151Y	C. CAPACITOR	150PF 10% 50V	
C6351	GER41CM-476M	E. CAPACITOR	47MF 20% 16V	
C6352	QT1V06-106Z	E. CAPACITOR		
C6353	NCB21EK-823AY	C. CAPACITOR	.082MF 10% 25V	
C6370	NCB21HK-223AY	C. CAPACITOR	.022MF 10% 50V	
C6371	NCB21HK-223AY	C. CAPACITOR	.022MF 10% 50V	
C6372	QCB81HK-151Y	C. CAPACITOR	150PF 10% 50V	
C6373	NCB21HK-182AY	C. CAPACITOR	1800PF 10% 50V	
C6374	NCB21HK-151AY	C. CAPACITOR	150PF 5% 50V	
C6375	NCB21HK-103AY	C. CAPACITOR	.010MF 10% 50V	
C6376	NCB21HK-102AY	C. CAPACITOR	1000PF 10% 50V	
C7001	NCB21HK-180AY	C. CAPACITOR	18PF 5% 50V	
C7002	NCB21HK-180AY	C. CAPACITOR	18PF 5% 50V	
C7004	NCB21HK-360AY	C. CAPACITOR	36PF 5% 50V	
C7005	NCB21HK-390AY	C. CAPACITOR	39PF 5% 50V	
C7006	NCB21HK-200AY	C. CAPACITOR	20PF 5% 50V	
C7007	NCB21HK-220AY	C. CAPACITOR	22PF 5% 50V	
C7008	NCB21HK-102AY	C. CAPACITOR	1000PF 10% 50V	
C7009	NCB21HK-102AY	C. CAPACITOR	1000PF 10% 50V	
C7011	GER41AM-107	E. CAPACITOR	100MF 20% 10V	
C7012	NCB21HK-103AY	C. CAPACITOR	.010MF 10% 50V	
C7013	QFLC1HJ-104ZM	M. CAPACITOR	.10MF 5% 50V	
C7014	GER41CM-106	E. CAPACITOR	10MF 20% 16V	
C7021	GER41CM-476M	E. CAPACITOR	47MF 20% 16V	
C7022	NCB21HK-102AY	C. CAPACITOR	1000PF 10% 50V	
C7026	NCB21HK-103AY	C. CAPACITOR	.010MF 10% 50V	
C7027	NCB21HK-103AY	C. CAPACITOR	.010MF 10% 50V	
C7031	EECS0H0473H	E. D.L. CAPA		
C7051	GER41CM-106	E. CAPACITOR	10MF 20% 16V	
C7052	GER41HM-225	E. CAPACITOR	2.2MF 20% 50V	
C7081	NCB21HK-102AY	C. CAPACITOR	MICOM NOISE	
C7091	GER41AM-107	E. CAPACITOR	100MF 20% 10V	
C7701	NCB21HK-151AY	C. CAPACITOR	150PF 5% 50V	
C7702	NCB21HK-151AY	C. CAPACITOR	150PF 5% 50V	
C7704	NCB21HK-331AY	C. CAPACITOR	330PF 5% 50V	
C7719	NCB21HK-271AY	C. CAPACITOR	270PF 5% 50V	
C7721	NCB21HK-271AY	C. CAPACITOR	270PF 5% 50V	
C7722	NCB21HK-271AY	C. CAPACITOR	270PF 5% 50V	
C7723	NCB21HK-271AY	C. CAPACITOR	270PF 5% 50V	
C7731	NCB21HK-102AY	C. CAPACITOR	1000PF 10% 50V	
C7757	GER41HM-225	E. CAPACITOR	2.2MF 20% 50V	
C7758	GER61HM-335ZM	E. CAPACITOR	3.3MF 20% 50V	
C7759	GER41HM-225	E. CAPACITOR	2.2MF 20% 50V	
C7771	GER41HM-105VM	E. CAPACITOR	1.0MF 20% 50V	
C7773	GER41HM-105VM	E. CAPACITOR	1.0MF 20% 50V	
C7783	NCB21HK-151AY	C. CAPACITOR	150PF 5% 50V	
D 1	1SS133	SI DIODE		
D 2	1SS133	SI DIODE		
D 3	1SS133	SI DIODE		
D 4	1SS133	SI DIODE		
D 21	RB721Q	DIODE		
D1701	VGL1208-001S	L.C.D.		
D6341	MT76-2JUB	ZENER DIODE		

REF.	PARTS NO.	PARTS NAME	REMARKS	SUPPLX
C 67	NCB21HK-151AY	C. CAPACITOR	150PF 5% 50V	
C 68	NCB21HK-101AY	C. CAPACITOR	100PF 5% 50V	
C 69	QEK41HM-225	E. CAPACITOR	2.2MF 20% 50V	
C 70	NCB21HK-392AY	C. CAPACITOR	3900PF 10% 50V	
C 71	QEK61HM-335ZM	E. CAPACITOR	3.3MF 20% 50V	
C 72	NCB21HK-102AY	C. CAPACITOR	1000PF 10% 50V	
C 80	NCB21HK-820AY	C. CAPACITOR	82PF 5% 50V	
C 81	NCB21HK-470AY	C. CAPACITOR	47PF 5% 50V	
C 82	QEK41CM-106	E. CAPACITOR	10MF 20% 16V	
C 83	NCB21HK-473AY	C. CAPACITOR	.047MF 10% 25V	
C 84	QEK41HM-225	E. CAPACITOR	2.2MF 20% 50V	
C 85	NCB21HK-331AY	C. CAPACITOR	330PF 10% 50V	
C 86	NCB21HK-561	C. CAPACITOR	560PF 10% 50V	
C 89	NCB21HK-102AY	C. CAPACITOR	1000PF 10% 50V	
C 90	NCB21HK-103AY	C. CAPACITOR	.010MF 10% 50V	
C 91	NCB21HK-103AY	C. CAPACITOR	.010MF 10% 50V	
CF 1	VCFM3B-104	CERAMIC FILTER	FM IF	
CF 2	VCF2S3B-102	C. FILTER	FM IF	
CF 3	VCF1Z22-115Z	CERAMIC FILTER		
CF 4	CMU2-456A05	CERA LOCK		
CN631	VMC0163-R07	CONNECTOR		
CN632	VMC0314-R14	CONNECTOR		
CN633	VMC0340-S18	CONNECTOR		
CN634	VMC0041-005	CONNECTOR		
CN635	VMC0040-003	CONNECTOR		
CN711	VMC0340-P16	CONNECTOR	TO MAIN	
CN761	VMC0340-P18	CONNECTOR	TO FUNC. TUNER	
CN766	VMC0163-R11	CONNECTOR	TO CD	
CN781	EMV159-006	CONNECTOR BTOB	TO SW	
CN801	EMV159-006R	B TO B CONNECTOR	TO MICOM	
C4001	QET41CM-106	E. CAPACITOR	10MF 20% 16V	
C4002	QETCOJM-227ZN	E. CAPACITOR	220MF 20% 6.3V	
C4003	QET41AM-107	E. CAPACITOR	100MF 20% 10V	
C6102	NCB21HK-151AY	C. CAPACITOR	150PF 5% 50V	
C6121	NCB21HK-122AY	C. CAPACITOR	1200PF 10% 50V	
C6122	NCB21HK-332AY	C. CAPACITOR	3300PF 10% 50V	
C6124	NCB21HK-102AY	C. CAPACITOR	1000PF 10% 50V	
C6150	NCB21HK-300AY	C. CAPACITOR	30PF 5% 50V	
C6151	NCB21HK-100AY	C. CAPACITOR	10PF 5% 50V	
C6152	QER41EM-475VM	E. CAPACITOR	4.7MF 20% 25V	
C6155	QER41EM-475VM	E. CAPACITOR	4.7MF 20% 25V	
C6156	QTE1C03-106Z	E. CAPACITOR		
C6202	NCB21HK-151AY	C. CAPACITOR	150PF 5% 50V	
C6221	NCB21HK-122AY	C. CAPACITOR	1200PF 10% 50V	
C6222	NCB21HK-332AY	C. CAPACITOR	3300PF 10% 50V	
C6224	NCB21HK-102AY	C. CAPACITOR	1000PF 10% 50V	
C6250	NCB21HK-300AY	C. CAPACITOR	30PF 5% 50V	
C6251	NCB21HK-100AY	C. CAPACITOR	10PF 5% 50V	
C6252	QER41EM-475VM	E. CAPACITOR	4.7MF 20% 25V	
C6255	QER41EM-475VM	E. CAPACITOR	4.7MF 20% 25V	
C6256	QTE1C03-106Z	E. CAPACITOR		
C6301	QER61HM-684ZM	E. CAPACITOR	.68MF 20% 50V	
C6302	NCB21HK-103AY	C. CAPACITOR	.010MF 10% 50V	
C6321	QER41CM-106	E. CAPACITOR	10MF 20% 16V	
C6322	NCB21HK-103AY	C. CAPACITOR	.010MF 10% 50V	

BLOCK NO. 02

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
D7001	1SS133	SI DIODE	US5V	
D7011	MT28.2JB	ZENER DIODE		
D7012	1SS133	SI DIODE		
D7031	1SS133	SI DIODE	BACK UP	
D7032	1SS133	SI DIODE	XKILL	
D7051	1SS133	SI DIODE	RESET	
D7061	MT25.1JC	ZENER DIODE	BACK UP	
D7091	SLR-342VC-T09	LED RED H8.9MM	STANDBY LED	
D7092	1SS133	SI DIODE		
D7094	1SS133	SI DIODE		
D7095	1SS133	SI DIODE		
D8101	SLR-342MC-T09	LED GRN. H8.9MM	CD DOOR	
D8102	SLR-342MC-T09	LED GRN. H8.9MM	CD DOOR	
D8103	SL2-481C09-T6	LED	CD DOOR	
IC 1	TA2057N	IC		
IC 2	LC72136	IC		
IC 4	SAAG579	IC		
IC401	TAB409S	IC		
IC666	BA15218F	IC	FUNCTION SYSTEM MICON	
IC701	UPD78063GFF-111	IC		
IC702	SX1971-52	RM-RECIVER		
IC703	KIA78508P-T	IC		
J 1	EMBA1YV-302K	ANT TERMINAL	AM/FM ANT	
JS701	VCV7003-001	ROTARY ENCODER		
JS6001	VMJ3025-001	4PIN JACK ASSY		
JS371	GP132T	OPTICAL JACK		
K6370	VQZ0048-007	INDUCTOR		
K7001	VQZ0107-002	INDUCTOR	VSS	
K7003	VQZ0107-002	INDUCTOR		
K8001	VQZ0107-002	INDUCTOR		
L 1	VQZ0098-102	COIL BLOCK	MW/LW RF/OSC	
L 4	VQZ0018-221	INDUCTOR		
L 5	VQZ0018-101	INDUCTOR		
L 10	VQZ0069-002S	TRAP COIL	114KHZ TRAP	
L 11	VQZ0018-2R7	INDUCTOR		
L4001	VQZ0028-221Z	INDUCTOR		
L4002	VQZ0107-002	INDUCTOR		
L6121	EQF0101-010	FILTER		
L6221	EQF0101-010	FILTER		
L6370	VQZ0018-100	INDUCTOR		
L7002	VQZ0033-100Z	INDUCTOR	SW5V	
L7332	VQZ0018-4R7	INDUCTOR	AVREF	
L7701	VQZ0018-4R7	INDUCTOR	SDATA	
L7702	VQZ0018-4R7	INDUCTOR	SCK	
L7731	VQZ0033-100Z	INDUCTOR	AVDD	
Q 1	2SC2668(CO)	TRANSISTOR		
Q 2	DTA114YKA-X	TRANSISTOR		
Q 3	KTC3199(GL)-T	TRANSISTOR		
Q 4	KTC3199(GL)-T	TRANSISTOR		
Q 6	DTA114YKA-X	TRANSISTOR		
Q 7	2SA1037K(R)	TRANSISTOR		
Q 8	2SA1037K(R)	TRANSISTOR		
Q 14	2SA1037K(R)	TRANSISTOR		
Q4001	2SC2412KK1	TRANSISTOR		
Q4002	2SC2412KK1	TRANSISTOR		

BLOCK NO. 02

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
Q4003	DT143TS	TRANSISTOR		
Q6101	2SC2412KK1	TRANSISTOR		
Q6121	2SC2412KK1	TRANSISTOR		
Q6141	2SC2412KK1	TRANSISTOR		
Q6201	2SC2412KK1	TRANSISTOR		
Q6221	2SC2412KK1	TRANSISTOR		
Q6241	2SC2412KK1	TRANSISTOR		
Q6301	2SC2412KK1	TRANSISTOR		
Q6321	DTA114EKA-X	TRANSISTOR		
Q6341	DTA114EKA-X	TRANSISTOR		
Q7001	2SC2668(CO)	TRANSISTOR	CLOCK SHIFT	
Q7002	2SC2668(CO)	TRANSISTOR	CLOCK SHIFT	
Q7031	2SA1037AK(RS)-X	HIP TRANSISTOR	SW5V	
Q7051	DT141TKT146	TRANSISTOR	RESET	
Q7061	2SC2412KK1	TRANSISTOR	BACK UP	
Q7091	2SC2412KK1	TRANSISTOR	POUT SW	
Q7092	2SA1037AK(RS)-X	HIP TRANSISTOR	STANDBY LED CON	
Q7784	DT141TKA-X	TRANSISTOR	TUNER DATA CONT	
R 1	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 2	NRSA02J-820NY	MG RESISTOR	82 5% 1/10W	
R 3	NRSA02J-560NY	MG RESISTOR	56 5% 1/10W	
R 10	NRSA02J-152NY	MG RESISTOR	1.5K 5% 1/10W	
R 12	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 13	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
R 15	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 16	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 20	NRSA02J-33NY	MG RESISTOR	330 5% 1/10W	
R 21	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W	
R 22	NRSA02J-33NY	MG RESISTOR	330 5% 1/10W	
R 23	NRSA02J-100NY	MG RESISTOR	10 5% 1/10W	
R 24	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
R 25	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
R 26	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
R 27	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
R 29	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
R 30	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 31	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 34	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
R 35	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
R 36	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 37	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
R 38	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
R 39	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
R 42	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 43	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 44	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 45	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 48	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 52	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
R 54	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
R 55	NRSA02J-182NY	MG RESISTOR	1.8K 5% 1/10W	
R 56	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
R 57	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 60	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 61	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	

BLOCK NO. 02					BLOCK NO. 02				
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R 65	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W		R 65	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R 66	NRSA02J-223NY	MG RESISTOR	2.2K 5% 1/10W		R 66	NRSA02J-223NY	MG RESISTOR	2.2K 5% 1/10W	
R 69	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		R 69	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 74	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W		R 74	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
R 75	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		R 75	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 76	NRSA02J-103NY	MG RESISTOR	1.0K 5% 1/10W		R 76	NRSA02J-103NY	MG RESISTOR	1.0K 5% 1/10W	
R 80	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W		R 80	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R 82	NRSA02J-223NY	MG RESISTOR	2.2K 5% 1/10W		R 82	NRSA02J-223NY	MG RESISTOR	2.2K 5% 1/10W	
R 83	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W		R 83	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 84	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		R 84	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 91	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		R 91	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 4001	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W		R 4001	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
R 4002	NRSA02J-682NY	MG RESISTOR	6.8K 5% 1/10W		R 4002	NRSA02J-682NY	MG RESISTOR	6.8K 5% 1/10W	
R 4003	GRD14CJ-3R9S	UNF.-C. RESISTOR	3.9 5% 1/4W		R 4003	GRD14CJ-3R9S	UNF.-C. RESISTOR	3.9 5% 1/4W	
R 4004	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		R 4004	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 4005	GRD161J-391	CARBON RESISTOR	390 5% 1/6W		R 4005	GRD161J-391	CARBON RESISTOR	390 5% 1/6W	
R 4006	GRD161J-151	CARBON RESISTOR	150 5% 1/6W		R 4006	GRD161J-151	CARBON RESISTOR	150 5% 1/6W	
R 6101	NRSA02J-222NY	MG RESISTOR	220K 5% 1/10W		R 6101	NRSA02J-222NY	MG RESISTOR	220K 5% 1/10W	
R 6102	NRSA02J-623NY	MG RESISTOR	62K 5% 1/10W		R 6102	NRSA02J-623NY	MG RESISTOR	62K 5% 1/10W	
R 6103	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W		R 6103	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
R 6104	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W		R 6104	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R 6105	GRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W		R 6105	GRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 6106	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W		R 6106	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
R 6121	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W		R 6121	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
R 6122	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W		R 6122	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R 6123	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W		R 6123	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 6124	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W		R 6124	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
R 6141	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W		R 6141	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
R 6142	GRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W		R 6142	GRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W	
R 6143	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W		R 6143	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
R 6144	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W		R 6144	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
R 6145	NRSA02J-822NY	MG RESISTOR	8.2K 5% 1/10W		R 6145	NRSA02J-822NY	MG RESISTOR	8.2K 5% 1/10W	
R 6151	NRSA02J-154NY	MG RESISTOR	150K 5% 1/10W		R 6151	NRSA02J-154NY	MG RESISTOR	150K 5% 1/10W	
R 6152	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W		R 6152	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
R 6156	NRSA02J-124NY	MG RESISTOR	120K 5% 1/10W		R 6156	NRSA02J-124NY	MG RESISTOR	120K 5% 1/10W	
R 6157	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		R 6157	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 6201	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W		R 6201	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W	
R 6202	NRSA02J-623NY	MG RESISTOR	62K 5% 1/10W		R 6202	NRSA02J-623NY	MG RESISTOR	62K 5% 1/10W	
R 6203	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W		R 6203	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
R 6204	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W		R 6204	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R 6205	GRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W		R 6205	GRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 6206	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W		R 6206	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
R 6221	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W		R 6221	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
R 6222	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W		R 6222	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R 6223	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W		R 6223	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 6224	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W		R 6224	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
R 6241	GRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W		R 6241	GRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
R 6242	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W		R 6242	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
R 6243	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W		R 6243	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
R 6244	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W		R 6244	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
R 6245	NRSA02J-822NY	MG RESISTOR	8.2K 5% 1/10W		R 6245	NRSA02J-822NY	MG RESISTOR	8.2K 5% 1/10W	
R 6251	NRSA02J-154NY	MG RESISTOR	150K 5% 1/10W		R 6251	NRSA02J-154NY	MG RESISTOR	150K 5% 1/10W	
R 6252	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W		R 6252	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
R 6256	NRSA02J-124NY	MG RESISTOR	120K 5% 1/10W		R 6256	NRSA02J-124NY	MG RESISTOR	120K 5% 1/10W	
R 6257	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		R 6257	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	

BLOCK NO. 02

BLOCK NO. 02

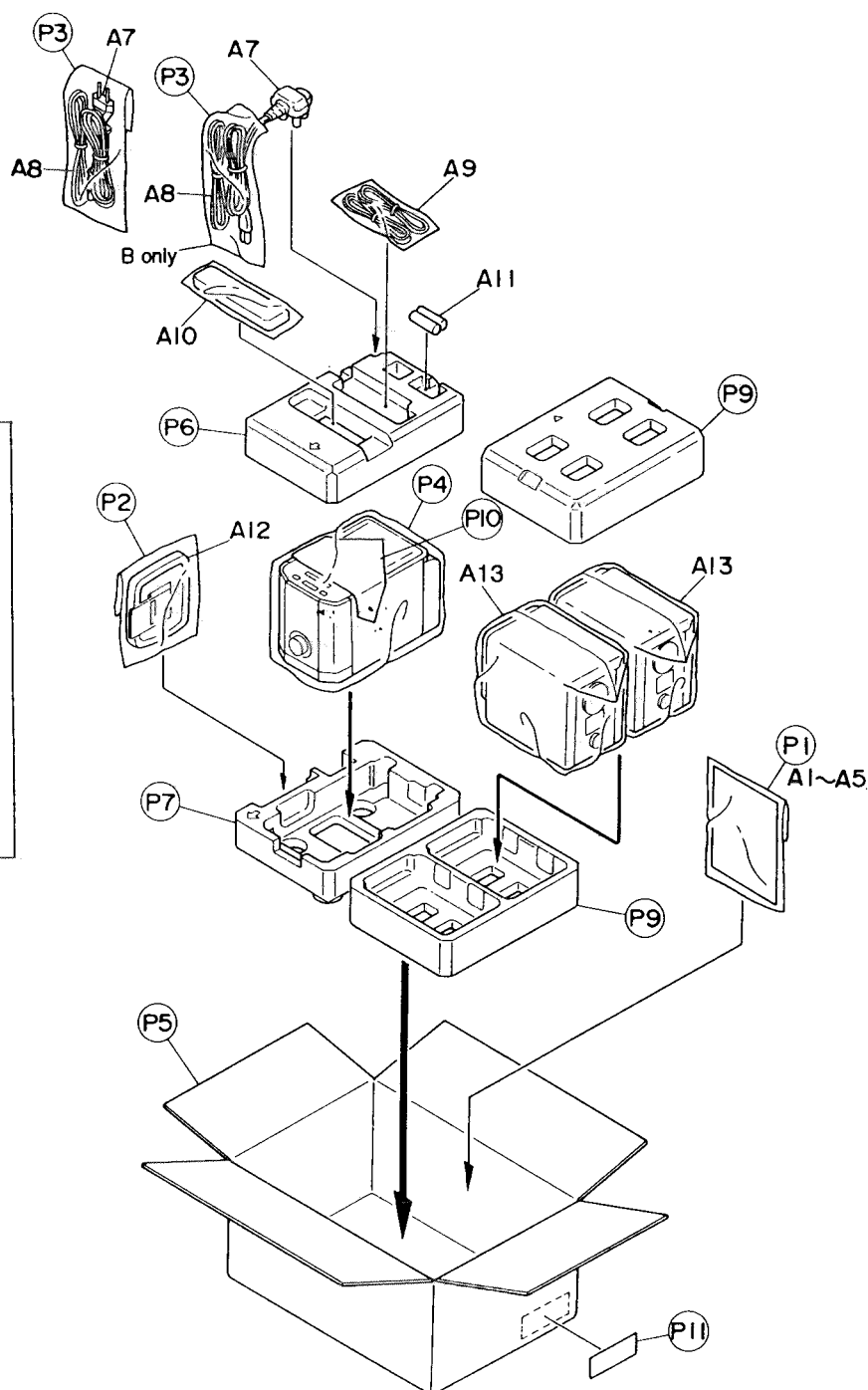
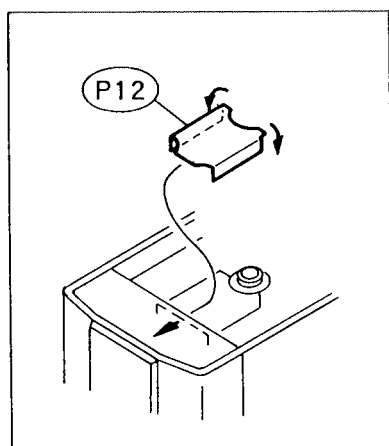
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
S6371	VSH1153-002	SWITCH		
S8001	QS04H11-V12Z	TACT SWITCH		
S8002	QS04H11-V12Z	TACT SWITCH		
S8003	QS04H11-V12Z	TACT SWITCH		
S8004	QS04H11-V12Z	TACT SWITCH		
S8005	QS04H11-V12Z	TACT SWITCH		
S8006	QS04H11-V12Z	TACT SWITCH		
S8007	QS04H11-V12Z	TACT SWITCH		
S8008	QS04H11-V12Z	TACT SWITCH		
S8009	QS04H11-V12Z	TACT SWITCH		
S8010	QS04H11-V12Z	TACT SWITCH		
S8011	QS04H11-V12Z	TACT SWITCH		
S8012	QS04H11-V12Z	TACT SWITCH		
S8013	QS04H11-V12Z	TACT SWITCH		
T 1	VQ17A21-113	IFT		
TU 1	VAF2S13-001	FRONT END	FM TU	
W6000	VM20015-005	POST PIN		
W6001	VM20015-002	POST PIN		
X 1	VCX5044-001	CRYSTAL		
X 2	VCX5057-001	CRYSTAL		
X7001	VCX5000-002	CRYSTAL	CLOCK	
X7002	M224-19	CERA LOCK	MAIN CLOCK	

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R7732	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7733	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7734	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7735	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7736	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7737	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7738	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7741	NRSA02J-154NY	MG RESISTOR	150K 5% 1/10W	
R7742	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7745	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7746	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7747	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
R7749	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7751	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7752	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7753	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7754	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7755	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7756	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7757	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
R7758	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
R7759	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7761	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
R7763	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7764	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7771	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
R7772	NRSA02J-114NYM	RESISTOR	110K 5% 1/10W	
R7773	NRSA02J-114NYM	RESISTOR	110K 5% 1/10W	
R7774	NRSA02J-OR0NY	MG RESISTOR	5% 1/10W	
R7775	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
R7781	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7783	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7784	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7785	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7819	QRD161J-122	CARBON RESISTOR	1.2K 5% 1/6W	
R7821	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7822	QRD161J-122	CARBON RESISTOR	1.2K 5% 1/6W	
R7823	NRSA02J-102NY	MG RESISTOR	FOR 87854	
R8001	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R8002	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R8003	NRSA02J-122NY	MG RESISTOR	1.2K 5% 1/10W	
R8004	NRSA02J-152NY	MG RESISTOR	1.5K 5% 1/10W	
R8005	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R8006	NRSA02J-272NY	MG RESISTOR	2.7K 5% 1/10W	
R8007	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
R8008	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
R8009	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R8011	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R8012	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R8020	NRSA02J-222NY	MG RESISTOR	VERSION	
R8021	NRSA02J-OR0NY	MG RESISTOR	VERSION	
R8101	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
R8102	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
S6370	VSH1153-002	SWITCH		

CD Servo Control Board

BLOCK NO. 0311111111					
A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 604	QEX51AM-107	E CAPACITOR	100MF 20% 10V	
	C 605	QET41EM-106	E.CAPACITOR	10MF 20% 25V	
	C 606	QCB81HK-102Y	C.CAPACITOR	1000PF 10% 50V	
	C 607	QCB81HK-102Y	C.CAPACITOR	1000PF 10% 50V	
	C 608	QET41HM-105	E.CAPACITOR	1.0MF 20% 50V	
	C 609	QCB81HK-101Y	C.CAPACITOR	100PF 10% 50V	
	C 610	QFLC1HJ-2732M	M.CAPACITOR	.027MF 5% 50V	
	C 611	QCB81CM-222Y	C.CAPACITOR	2200PF 20% 16V	
	C 612	QCB81CM-103Y	C.CAPACITOR	.010MF 20% 16V	
	C 613	QCB81HK-331Y	C.CAPACITOR	330PF 10% 50V	
	C 614	QFLC1HJ-1042M	M.CAPACITOR	.10MF 5% 50V	
	C 615	QCB81E2-223	C.CAPACITOR	.022MF +80:-20%	
	C 616	QCB81E2-223	C.CAPACITOR	.022MF +80:-20%	
	C 617	QCB81E2-223	C.CAPACITOR	.022MF +80:-20%	
	C 618	QCB81CM-222Y	C.CAPACITOR	2200PF 20% 16V	
	C 619	QCB81HK-271Y	C.CAPACITOR	270PF 10% 50V	
	C 620	QCS11HJ-470	C.CAPACITOR	47PF 5% 50V	
	C 621	QCB81HK-821Y	C.CAPACITOR	820PF 10% 50V	
	C 622	QET41AM-476	E.CAPACITOR	47MF 20% 10V	
	C 623	QFLC1HJ-1047M	M.CAPACITOR	.10MF 5% 50V	
	C 628	QCC11EM-473V	C.CAPA. 1.M	.047MF 20% 25V	
	C 629	QET41AM-107	E.CAPACITOR	100MF 20% 10V	
	C 631	QET41AM-477	E.CAPACITOR	470MF 20% 10V	
	C 632	QEX51AM-107	E CAPACITOR	100MF 20% 10V	
	C 651	QCS11HJ-120	C.CAPACITOR	12PF 5% 50V	
	C 652	QCS11HJ-150	C.CAPACITOR	15PF 5% 50V	
	C 653	QCB81E2-223	C.CAPACITOR	.022MF +80:-20%	
	C 655	QCC11EM-473V	C.CAPA. 1.M	.047MF 20% 25V	
	C 661	QCB81HK-471Y	C.CAPACITOR	470PF 10% 50V	
	C 662	QCB81E2-223	C.CAPACITOR	.022MF +80:-20%	
	C 663	QFLC1HJ-2232M	M.CAPACITOR	.022MF 5% 50V	
	C 664	QCB81E2-223	C.CAPACITOR	.022MF +80:-20%	
	C 665	QFV71HJ-3342M	FILM CAPACITOR	.33MF 5% 50V	
	C 671	QCB81CM-152Y	C.CAPACITOR	1500PF 20% 16V	
	C 672	QCB81CM-152Y	C.CAPACITOR	1500PF 20% 16V	
	C 673	QTE1C05-227	E CAPACITOR	.022MF +80:-20%	
	C 674	QCB81E2-223	C.CAPACITOR	AG-DG	
	C 675	QCB81HK-102Y	C.CAPACITOR	AG-DG	
	C 676	QCB81HK-102Y	C.CAPACITOR	DENGEN NOISE	
	C 691	QCB81HK-151Y	C.CAPACITOR	DENGEN NOISE	
	C 692	QCB81HK-151Y	C.CAPACITOR	DENGEN NOISE	
	C 693	QCB81HK-151Y	C.CAPACITOR	DENGEN NOISE	
	CM601	EMV7144-015R	15PIN CONNECTOR	TO RF	
	CM603	VMC0163-R07	CONNECTOR	TO AUDIO	
	CM604	VMC0163-R11	CONNECTOR	TO MICON	
	CM605	VMC0041-003	CONNECTOR	TO DIGITAL OUT	
	D 661	1SS133	SI DIODE		
	IC601	AN8806SB	IC	RF AMP	
	IC602	BA6897FP	IC	DRIVER	
	IC603	MN35510	IC	1CHIP PROCESSER	
	Q 601	2SA952(L,K)	TRANSISTOR		
	Q 631	2SA952(L,K)	TRANSISTOR		
	R 601	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
	R 603	QRD161J-125	CARBON RESISTOR	1.2M 5% 1/6W	
	R 605	QRD167J-134	CARBON RESISTOR	130K 5% 1/6W	

15. Packing



■ Packing Parts List

BLOCK NO. M3MM

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
P	1	VPE3005-007	POLY BAG	INSTRUCTIONS	1		
P	2	VPE3005-042	POLY BAG	AM LOOP ANT	1		
P	3	QPGA012-02505	POLY BAG	FOR POWER CORD	1		
P	4	VPE3020-018	POLY BAG	FOR SET	1		
P	5	VPC9292-C003	CARTON		1		
P	6	VPH1695-001	CUSHION	SET TOP SIDE	1		
P	7	VPH1695-002	CUSHION	SET BOTTOM SIDE	1		
P	9	VPH2481-001	SPK CUSHION	SERVICE PARTS	2		
P	10	VPK3001-012	SHEET	FOR SET	1		
P	11	VND3111-165	CARTON LABEL	4975769133626	1		
P	12	VPK4236-010	SPACER	FOR SET	1		

■ Accessories

BLOCK NO. **M4MM** ☐ ☐ ☐ ☐

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	A 1	VNN9292-261C	INSTRUCTIONS		1	E,EN,G	
		VNN9292-271C	INSTRUCTIONS		1	EN	
		VNN9292-251C	INSTRUCTIONS		1	E	
		VNN9292-671C	INSTRUCTIONS		1	B	
	A 2	BT-54006-1	WARRANTY CARD		1	G	
		BT-54003-1	WARRANTY CARD		1	B	
	A 3	BT-20066A	SERVICE NIT LIS		1		
	A 4	VNA1001-029	USER CARD		1		
	A 5	E43486-340B	SAFETY INST SHE		1		
	A 7	QMP5520-183BS	POWER CORD		1	B	
		QMP39F0-183	POWER CORD		1	E,EN,G	
	A 8	EWP503-001	ANT.WIRE	FM ANT.	1		
	A 9	VMP0133-001	SPK.CORD(2PCS)	SPEAKER CORD OF	1		
	A 10	VGR0055-401	REMOCON UNIT	RM-RXU2000R	1		
	A 11	R6SPTT-2STSA	BATTERY	FOR REMOCON	1		
	A 12	EQB4001-015	AM LOOP ANT	AM ANT.	1		
	A 13	UX2000RK-SPBOX	SPEAKER		2		
	SVP 1	VYTB430	SARAN NET ASSY	SERVICE PARTS	2		
	SVP 2	VGS0801-009	SPEAKER	SERVICE PARTS	2		



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